

Land at Phoenix House, Stockpit Road

Phase 1 - Preliminary Risk Assessment





GEO-ENVIRONMENTAL CONSULTING

Project Quality Assurance Information Sheet

Site	Land at Phoenix House, Stockpit Road
Report Title	Phase 1 – Preliminary Risk Assessment
Report Status	Final
Report No	BEK-25026-1
Date	October 2025
Prepared For	MULBERRY WASTE LIMITED 117-118 Clydesdale Place Moss Side Industrial Estate Leyland PR26 7QS
Prepared By	BEK ENVIRO No 2 Landwick Court Metcalf Drive Altham Business Park Lancashire BB5 5GY
Author	Philip Conroy BSc (Hons) PGCE
Checked	David Emmott BSc (Hons) MSc MEnvSc CEnv
Authorised	Michael Buckley BSc (Hons) MSc MEnvSc CEnv
Contact	mbuckley@bekenviro.co.uk www.bekenviro.co.uk Office: 01254 377622 Mobile: 07906753583



GEO-ENVIRONMENTAL CONSULTING

Land at Phoenix House, Stockpit Road

Phase 1 – Preliminary Risk Assessment

PROJECT NO: 25026

REPORT REF: BEK-25026-1

DATE: October 2025

REVISION STATUS / HISTORY

Rev	Date	Issue / Comment	Prepared	Checked
A	12/09/25	Minor amendments	PC	MB
B	09/10/25	Proposed SI Plan Amended	DE	MB

GENERAL REPORT LIMITATIONS

BEK Enviro Limited (BEK) has prepared this report for the sole use of the client, showing reasonable skill and care, for the intended purposes as stated in the agreement under which this work was completed. The report may not be relied upon by any other party without the express agreement of the client and BEK. No other warranty, expressed or implied, is made as to the professional advice included in this report.

Where any data supplied by the client or from other sources have been used, it has been assumed that the information is correct. No responsibility can be accepted by BEK for inaccuracies in the data supplied by any other party. The conclusions and recommendations in this report are based on the assumption that all relevant information has been supplied by those bodies from whom it was requested.

No part of this report may be copied or duplicated without the express permission of BEK and the party for whom it was prepared. Where field investigations have been carried out, these have been restricted to a level of detail required to achieve the stated objectives of the work.

Unless explicitly agreed otherwise, in writing, this report has been prepared under BEK's limited standard Terms and Conditions as included within our proposal to the Client. The report needs to be considered in the light of the BEK proposal and associated limitations of scope. The report needs to be read in full and isolated sections cannot be used without full reference to other elements of the report and any previous works referenced within the report.



TABLE OF CONTENTS

1.	INTRODUCTION	
1.1	Appointment	
1.2	Proposed Development	
1.3	Objective & Scope of Work	
1.4	Limitations	
2.	SITE DESCRIPTION	
2.1	Site Location	
2.2	Site Layout & Description	
2.3	Surrounding Land Use	
3.	SITE HISTORY	
4.	ENVIRONMENTAL SETTING	
4.1	Geology	
4.2	Hydrogeology	
4.3	Hydrology	
4.4	Mining & Ground Workings	
4.5	Contaminated Land & Landfill Activities	
4.6	Historical Tank Database	
4.7	Sensitive Land Uses	
4.8	Radon	
4.9	Unexploded Ordnance	
5.	POTENTIAL POLLUTANT LINKAGES	
5.1	General	
5.2	Potential Contaminants of Concern	
5.3	Potential Pathways	
5.4	Receptors	
5.5	Preliminary Conceptual Model	
5.6	Potentially Significant Pollutant Linkages	
6.	RECOMMENDATIONS	
APPENDICES		
Appendix A	Historical OS Maps	
Appendix B	Enviro+GeolInsight Report	
Appendix C	Potential Pollutant Linkages	
Appendix D	Photographs	
Appendix E	Drawings	
Appendix F	Borehole Record	
DRAWINGS		
BEK Drawing No 25026-1	Site Location Plan	
BEK Drawing No 25026-2	Site Layout Plan	
BEK Drawing No 25026-3-RevB	Intrusive Location Plan	
Philip Lambert Chartered Architect drawing 'Proposed Site Plan with building details added - New Buildings of Stockpit Road, L33 7TQ', Project No 24-852, Drawing no 01-02, dated September 2024,		

1. INTRODUCTION

1.1 Appointment

1.1.1 BEK Enviro (BEK) have been commissioned by Mulberry Waste Limited to carry out a Preliminary Risk Assessment (PRA) for the erection of an industrial building, relocation of existing industrial building and associated works at Phoenix House, Stockpit Road, Knowsley Industrial Park, Knowsley, Kirkby, L33 7TQ (hereafter referred to as 'the site'). The PRA will assess potential risks associated with contamination and ground gas with respect to the proposed commercial development.

1.1.2 The site location and site layout are presented on BEK Drawing No 25026-1 and BEK Drawing No 25026-2, respectively. Copies of these drawings are presented in Appendix E.

1.2 Proposed Development

1.2.1 Knowsley Council have granted Planning Permission (subject to conditions) for the 'Erection of Industrial building, relocation of existing industrial building and associated works (Use Class B2/B8)' at the site located at Phoenix House, east of Stockpit Road, Knowsley Industrial Park, Knowsley, Kirkby.

1.2.2 A number of planning conditions have been attached to the planning permission by Knowsley Council (24/00509/FUL) for the site. The planning conditions with respect to contaminated land are detailed within Condition No 3 and states the following:

No development shall take place until an assessment of the risks posed by any contamination has been submitted to, and approved in writing by, the Local Planning Authority.

Prior to any further ground investigations taking place, the scope of works for these investigations must be agreed, in writing, with the local planning authority.

The assessment must also be undertaken by a suitably qualified contaminated land practitioner, in accordance with authoritative guidance (CLR 11), and shall assess any contamination on the site, whether or not it originates on the site.

1.2.3 The proposed development layout for the site drawn by Philip Lambert Chartered Architect is presented on drawing 'Proposed Site Plan with building details added - New Buildings of Stockpit Road, L33 7TQ', Project No 24-852, Drawing no 01-02, dated September 2024, a copy of which is presented in Appendix E and an extract of which can be seen below in Figure 1.



Figure 1: Extract from the Proposed Site Plan

1.3 Objective & Scope of Works

1.3.1 The objective is to provide a qualitative assessment of the potential risks from contamination and ground gas to support the commercial end use.

1.3.2 To achieve the objective BEK has undertaken the following:

- Carried out a site walkover/inspection and collected photographs
- Reviewed the available relevant background information for the site, including:
 - Recent Ordnance Survey Map
 - BGS Web Page
 - Site Specific GroundSure Reports
 - Site Specific Historical Maps
 - Coal Authority Website
 - Google Earth Images
 - Local Planning Authority Information
 - Zetica UXO data



- Developed a preliminary conceptual site model in accordance with guidance to identify potentially significant pollutant linkages specific to the proposed development
- Established areas of potential concern based on identified risks and/or potential risks
- Identified any actions required to assess or reduce the risks identified

1.4 Limitations

- 1.4.1 The conclusions and recommendations presented in this report are the result of our professional interpretation of the information currently available. BEK reserves the right to amend the conclusions and recommendations if further information becomes available.
- 1.4.2 However, it should be noted that much of the information has been derived from reports written by others and BEK takes no responsibility for the accuracy of that information. Notwithstanding the above, the reports reviewed have all been written by professional environmental consultants with a duty of care to provide relevant and accurate information.
- 1.4.3 This report does not include an assessment of the vegetation present at the site and specifically the identification of any invasive plant species.

2. SITE DESCRIPTION

2.1 Site Location

- 2.1.1 The site is located to the east of Stockpit Road, Kirkby approximately 12.7 km north-east of Liverpool city centre and approximately 2.6 km east of Kirkby.
- 2.1.2 The National Grid Reference for the approximate centre of the site is 343575, 398890. The site location and site layout are shown on BEK Drawing No 25026-1 and 25026-2 respectively, copies of which are presented in Appendix E.

2.2 Site Layout & Description

- 2.2.1 A site walkover/inspection was conducted by an engineer from BEK in March 2025. A selection of photographs illustrating the existing site layout are presented in Appendix D. The general site layout is shown on BEK Drawing No 25026-2, a copy of which is presented in Appendix E.
- 2.2.2 The site is an irregular shaped plot of land covering approximately 0.32 ha (3,200 m²) consisting of buildings and external concrete and gravel hardstanding areas. The site is accessed off Stockpit Road to the west.
- 2.2.3 At the time of the site walkover, the site was accessed via Stockpit Road to the west. The site was entered via metal palisade gates approximately 2.0m in height off Stockpit Road.
- 2.2.4 The site had been utilised as a storage area for an electrical recycling business and includes two buildings located along the southern boundary. One building was approximately 12 x 10 m in size and some 2.5 m in height and was of similar construction to portacabins with metal shutters across the windows. This building was noted was previously used as an office and is now redundant with much of the interior removed and the cabin ready to be removed from site. The larger of the two buildings was approximately 24 x 9 m in size and some 3.5 m in height and was of metal construction. This building was used as general storage of a portacabin, pallets and shelving. A further small container was noted in the south eastern corner of the site and contained office equipment such as desks and chairs.
- 2.2.5 The site surface comprises of compacted gravels in the western portion of the site and concrete on the east of site. The site was secured by palisade fencing along the east and western boundaries and further secured by previous concrete buildings to the north and the south. Within the site along the northern and western boundaries, it was noted to contain storage crates, steel beams and a number of tonne bags noted to contain recycled parts from electrical items (household appliances). Various machinery and parts of machinery, associated with the recycling business are stored in the east of the site.



2.2.6 An above ground storage tank was located in the southeastern corner of the site and from anecdotal evidence was noted to have previously contained diesel. There were no obvious signs of staining or leaking from the tank and will be removed as part of the development.

2.2.7 Vegetation on site was noted to be restricted in growth as the site walkover was completed during winter months. No other signs of pollution or staining was noted on the site walkover.

2.3 Surrounding Land Use

2.3.1 The surrounding land uses are summarised in Table 1 below:

Direction	Land Use
North	Industrial estate
East	Industrial estate and fields of presumed agricultural use.
South	Industrial estate
West	Industrial estate

Table 1: Surrounding Land Uses



3. SITE HISTORY

3.1 The history of the site has been established using Groundsure historical OS maps, which are presented in Appendix A. Table 2 below shows a summary of historic map Information.

Map Edition	Historical Land Use	
	On Site	Off Site
1867 (2,500)	Site is entirely occupied by undeveloped fields, presumed agricultural. A field boundary crosses the site in a north to south direction.	Surrounding area is predominantly undeveloped fields, presumed agricultural. Some ponds are mapped in the surrounding area, 80m north, two 90m north, 105m northeast, 120m southwest and 130m northeast. Boundary Lane mapped 85m north running in an east to west direction.
1892-1893 (10,560) (2,500)	No significant change.	The ponds in the surrounding area are no longer mapped. Property developed 110m northeast.
1907-1908 (10,560) (2,500)	No significant change.	Field boundary no longer crossing site.
1925-1928 (10,560) (2,500)	No significant change.	Marl pit mapped 250m east of site.
1938 (10,560)	Partially mapped.	Partially mapped.
1956 (10,560)	Now an area of land between two wartime bunkers developed between 1939 and 1941. Railway line partially crossing the eastern boundary of site.	The site and the immediate surrounding area to the north, east and south has been developed as part of underground bunkers which were built for the Royal Ordnance Factory (ROF) Kirkby to supply ordnance during WWII. These were developed between 1939 and 1941. A railway line leads to each of the bunkers, immediately east heading north and turning west and continuing north approximately 150m north. Further to the north and west the industrial estate has been developed and infrastructure similar to present day including



Map Edition	Historical Land Use	
	On Site	Off Site
		stockpit road immediately west of site and Draw Well Road immediately east. To the east of the site beyond the bunkers, approximately 100m east, remains predominantly undeveloped.
1962-1966 (10,560) (2,500)	No significant change.	Marl pit no longer mapped 250 m east.
1971-1972 (2,500) (1,250)	No significant change.	Industrial estate further developed approximately 100m east. Builders yard and warehouse mapped 75m northeast at its closest point.
1977-1978 (10,000) (1,250)	No significant change.	No significant change.
1986-1988 (10,000) (1,250)	Depot now mapped on the western portion of the site.	Bunkers in the surrounding area have now been repurposed as warehouse, Railway infrastructure has been removed. 'Works' and 'depots' are now mapped in the surrounding area 5m south at their closest point.
1994 (1,250)	Second building developed along the southern boundary.	A number of tank farms are mapped to the south and southwest of site approximately 75m southwest at its closest point. Chimney and tanks are mapped 120m west. Electric substation mapped 110m northwest.
2001-2003 (10,000) (1,250)	No significant change.	No significant change.
2010 (10,000) (Satellite imagery)	No significant change.	No significant change.
2019 - 2021 (Satellite imagery)	Building on the western portion of the site no longer mapped.	Bunkers to the east of site and east of Draw Well Road no longer mapped.



Map Edition	Historical Land Use	
	On Site	Off Site
2023-2025 (10,000) (Satellite imagery)	No significant change.	Three warehouses developed immediately east of site in place of the bunkers.

Table 2: Summary of Historic Map Information

4. ENVIRONMENTAL SETTING

4.0.1 The Groundsure Enviro+GeoInsight Report is presented in Appendix B and information provided in this report has been used within this section.

4.1 Geology

4.1.1 The site geology is illustrated in the Enviro+GeoInsight Report which has sourced data from several sources including British Geological Society (BGS), BRITPITS database and the Coal Authority.

4.1.2 The nearest previous borehole record is approximately 24 m west and was drilled by Geotron UK Ltd in October 2005. This borehole is described as 'Made Ground' at ground level to 1.0 m below ground level which is underlain by 'silty sand' to 1.90m, 'Peat' was then encountered to 2.0m which was further underlain by 'Clay' and 'Sand' to a depth of 2.7m. Finally, 'Firm brown slightly sandy CLAY' was encountered to 4.3m where the borehole was terminated.

4.1.3 A deeper borehole was drilled approximately 130 m southeast under the project name: Kodak-Kirkby in June 2003. This borehole described 'Concrete' and 'Made Ground' to 1.0 m, underlain by 'sand' to 1.8 m. These were further underlain by 'Clay' to 14.0 m where sandstone was encountered to 25.0 m where the borehole terminated. The scans for the borehole logs are presented in Appendix F.

Made Ground

4.1.4 The Enviro+GeoInsight report identified one location of made ground within 250 m of the site, this covers the entirety of the area within 250m of the site. This is detailed as 'On site – Made Ground (Undivided) – Artificial Deposit'. This is shown below in figure 2.

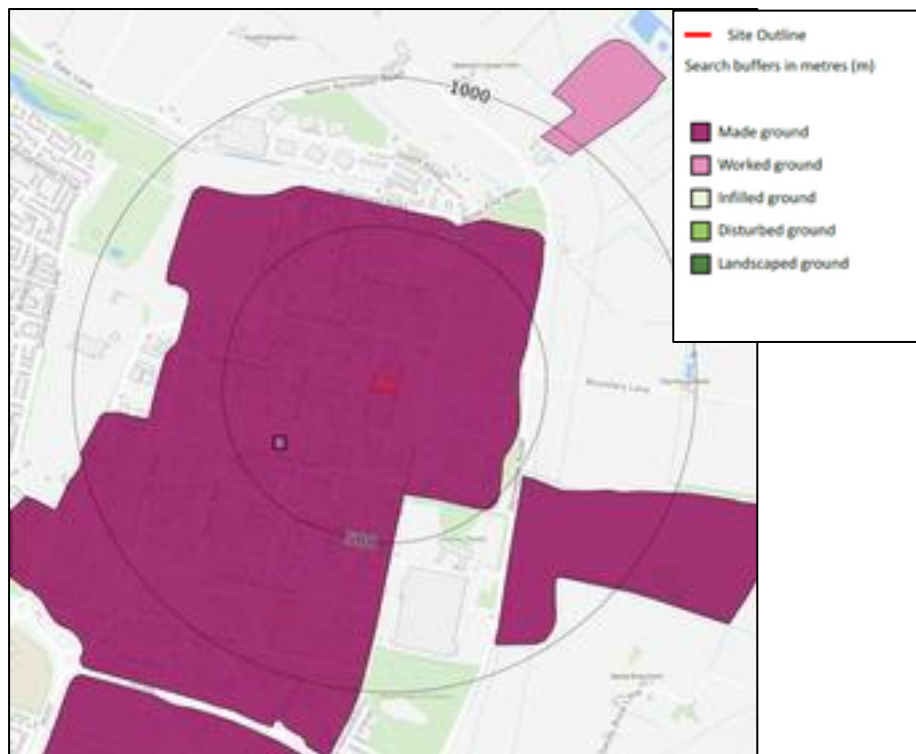


Figure 2: Artificial and Made Ground 1:50,000 scale

Superficial Geology

- 4.1.5 The Enviro+GeoInsight Report states that the superficial deposits consist of the Shirdley Hill Sand Formation which primarily comprises of sand strata. This strata typically has an intergranular flow type with high permeability.

Bedrock

- 4.1.6 The Enviro+GeoInsight Report and the BGS website indicates that the underlying solid geology on site comprises of the 'Chester Formation' dominated by sandstone. The bedrock permeability is described as a mixed flow type with moderate to high permeability.

Linear Features

- 4.1.7 The Enviro+GeoInsight report did not identify any bedrock faults or linear features within 250 m of the site.

4.2 Hydrogeology

- 4.2.1 The superficial deposits Aquifer on site has been classified by the Environment Agency as a 'Secondary A' aquifer. This is described as 'permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.'



4.2.2 The underlying bedrock is classified as a 'Principal' aquifer which is described as 'geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers.'

4.2.3 There is one Source Protection Zones (SPZ) within 250 m of the site. This is described as 'On site – Type 3 – Total catchment'.

4.2.4 There are five groundwater abstractions, relating to two locations within 250m of the site. These are further detailed below.

- 203 m east – General cooling - Ames Goldsmith UK Ltd – 1988 – present
- 223 m southwest – Boiler feed – Baker Hughes Limited – 1989 - present

4.2.5 There are no surface water abstractions within 250 m of the site.

4.2.6 Groundwater flow is anticipated to be in a westerly direction towards Bank Brook, some 2.5km west, due to the local topography.

4.3 Hydrology

4.3.1 The Enviro+GeoInsight Report did not identify any surface water features within 250 m of the site.

4.3.2 Furthermore, it is noted that the site is part of the Simonswood Brook catchment of the Alt and Crossens management catchment.

4.3.3 The Enviro+GeoInsight Report did not identify any licensed discharge consents to controlled waters.

4.3.4 The site is considered to be at low risk from groundwater flooding within 50m of the site.

4.3.5 The site is at 1 in 30 year, 0.3m to 1.0m risk from surface water flooding within 50m of the site.

4.3.6 The Enviro+GeoInsight Report states site is not located within a Flood Zone 2 or 3.

4.4 Mining & Ground Workings

4.4.1 The information provided by Groundsure indicates that the site is not located within an area which may have been affected by coal mining, further information from the Coal Authority Interactive map indicates that the site is not located within a coal mining consultation area or Development High Risk Area.



4.4.2 The Enviro+GeoInsight Report indicates that there are six records of surface ground workings located within 250 m of the site, relating to four locations, as detailed below.

- 64 m north-west – 1966 – Unspecified Heap
- 223 m northeast – 1978 – Unspecified Heap
- 224 m east – 1956 – Unspecified Heap
- 244 m east – 1907-1956 – Marl Pit (3 records)

4.4.3 There are no records of underground workings within 250 m of the site.

4.4.4 The Enviro+GeoInsight Report provides hazard ratings associated with ground subsidence at the site, as summarised below:

Shrink-Swell Clay:	Negligible
Running Sands:	Very Low
Compressible Deposits:	Very Low
Collapsible Deposits:	Very Low
Landslides:	Very Low
Dissolution of Soluble Rocks:	Negligible

4.4.5 It can be seen from the above that the site is unlikely to be affected by natural ground instability issues.

4.5 Contaminated Land & Landfill Activities

4.5.1 The Enviro+GeoInsight Report did not identify any historical landfill sites within 250 m of the site.

4.5.2 The Enviro+GeoInsight Report identified three historical waste sites within 250 m of the site. These are detailed below;

- 61 m south-west – 2022 – Waste treatment/ Recycling & waste transfer
- 63 m south – 2022 – Waste transfer
- 64 m south – 1998 – Waste transfer station

4.5.3 The Enviro+GeoInsight Report identified four EA recorded pollution incidents within 250 m of the site. These are detailed in Table 3 below.

4.5.4 The following information has been obtained from a commercially available environmental database. The summary table (Table 3) only includes records not otherwise detailed in the report. The table summarises the closest entries to site.



Activity	0-249m	250-500m	Details
Sites Determined as Contaminated Land	0	0	N/A
Control of Major Accident Hazards (COMAH)	2	4	18m NW Company: Baker Hughes Limited Current COMAH site 114m E Company: Kodak Ltd Historical NIHHS Site
Regulated Explosive Sites	0	0	N/A
Hazardous substance storage/usage	6	5	161m E Claim For Deemed Consent For The Storage Of Various Hazardous Substances No enforcement notified 227m SW Storage of very toxic, flammable, highly flammable, dangerous to the environment together with ethylene oxide and propylene oxide. No enforcement notified
Historical licensed Industrial Activities (IPC)	28	16	162m E Kodak Ltd Process: Recovery Processes Date: 30/3/1993 Status:Revoked 162m E Kodak Ltd Process: Combustion Processes Date: 30/3/1993 Status:Revoked
Licensed Industrial Activities (Part A(1))	124	89	Location: 70m south Process: Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment Issue date: 17/04/15 Status: superseded Location: 70m south Process: Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment Issue date: 17/04/15 Status: superseded
Licensed Pollutant Release (Part A(2)/B)	0	5	323m west Process: Respraying of road vehicles Status: revoked No enforcements notified 379m north Process: Respraying of road vehicles



Activity	0-249m	250-500m	Details
			Status: revoked No enforcements notified
Radioactive Substance Authorisations	1	0	On site Mulberry Waste Limited Effective date: 16/5/2019-01/01/2020
Licensed discharges to controlled waters	0	1	Location – 479m SE Date: Pre 31/08/1989 - 26/04/1990 Address – Northperimeter road, Kirkby Effluent Type: Sewage discharges – Final/treated effluent Receiving Water: Simonswood brook Status: Revoked – Post NRA Legislation where issue date > 31 Aug 89 (historic only)
Pollutant release to surface water (Red List)	0	0	N/A
Pollutant Release to public sewer	0	0	N/A
List 1 Dangerous Substances	1	0	162m E Future industrial services Ltd Status: Active Receiving water: Any Substances: Mercury, cadmium
List 2 Dangerous Substances	1	2	162m E Future industrial services Ltd Status: Active Receiving water: None Substances: Chromium, Copper, Lead, Nickel, Zinc
Pollution Incidents (EA/NRW)	4	6	104m NE Date: 14/9/2001 Pollutant: Oils and fuels No impact to water, land or air. 104m NE Date: 14/9/2001 Pollutant: Oils and fuels No impact to water, land or air.
Pollution Inventory Substances	2	4	162m E Future Industrial Services Ltd Hazardous waste 246m SW Qualitech Environmental Services Ltd Organic Chemicals
Pollution Inventory Waste Transfers	3	5	70m S Mulberry Waste Limited Hazardous waste 162m E Future Industrial Services Limited Hazardous Waste



Activity	0-249m	250-500m	Details
Pollution Inventory Radioactive Waste	0	0	N/A

Table 3: Summary of Groundsure Data

4.5.5 The Enviro+GeoInsight Report identified nine historical energy features within 250 m of the site relating to seven locations. These are detailed as follows:

- 118 m NW – 1971-1994 - Electricity Substation (1 record)
- 135 m SW – 1994 - Electricity Substation (1 record)
- 153 m NE – 1994 - Electricity Substation (1 record)
- 174 m NE – 1971-1994 - Electricity Substation (2 records)
- 183 m S – 1984-1994 - Electricity Substation (1 record)
- 209 m NW – 1971 - Electricity Substation (1 record)
- 228 m W – 1969-1994 - Electricity Substation (2 records)

4.5.6 Information in the Enviro+GeoInsight Report indicates that there are potentially contaminative historical industrial land uses within 250 m of the site. Details of the nearest industrial uses within 50m are detailed further below:

Location	Land Use	Dates Present
On Site	Unspecified Commercial/ Industrial	1956
On Site	Industrial Estate (2 records)	1978-1988
On Site	Railway Sidings	1955-1978

Table 4: Historical Potentially Contaminative Land Uses

4.5.7 The Enviro+GeoInsight Report identified one petrol station (current/recent) on or within 250 m. This is detailed as '163 m southwest – Petroleum Product Works – 1969-1971'.

4.5.8 The Enviro+GeoInsight Report did not identify any records of historical garages within 250 m of the site.

4.6 Historical Tank Database

4.6.1 The Enviro+GeoInsight Report identified 43 historical tanks within 250 m of the site. These are further detailed below:

- 30 m W – Tanks/ Unspecified Tank – 1969-1984 (5 records)
- 46 m SW – Tanks/ Unspecified Tank – 1969-1994 (5 records)
- 61 m NW – Unspecified Tank – 1994 (1 record)
- 73 m S – Tanks – 1994 (2 records)
- 88 m W – Unspecified Tank – 1960-1962 (2 records)
- 96 m SW - Unspecified Tank – 1960-1994 (5 records)
- 135 m W - Unspecified Tank – 1994 (2 records)

- 136 m SW - Unspecified Tank – 1969-1994 (7 records)
- 219 m SE – Tanks/ Unspecified Tanks – 1971-1994 (13 records)
- 239 m NW - Unspecified Tank – 1971-1994 (1 record)

4.7 Sensitive Land Uses

- 4.7.1 The Enviro+GeoInsight Report indicates the site is located within a currently defined Nitrate Vulnerable Zone (NVZ).
- 4.7.2 The Enviro+GeoInsight Report did not identify any environmental designations on site.

4.8 Radon

- 4.8.1 The Enviro+GeoInsight Report indicates that 'Less than 1 % of the homes are affected by Radon' and as such, radon protective measures are not required.

4.9 Unexploded Ordnance

- 4.9.1 The regional unexploded bomb risk map from Zetica (2024) indicates that the site is in an area at LOW risk from possible Unexploded Ordnance (UXO) resulting from the Second World War.
- 4.9.2 BEK does not consider any further assessment to be required with respect to UXO.



5. POTENTIAL POLLUTANT LINKAGES

5.1 General

5.1.1 This section identifies the potential contaminants of concern, sources, pathways and receptors that may be associated with the site based on its known history and the current condition and with respect to the re-development of the site for commercial use.

5.1.2 This information is used to develop a conceptual model which is a qualitative description of potential sources of environmental pollutants, the pathways by which they are transported and the receptors:

- i) Potential sources of contamination: these include any actual or potentially contaminating materials and activities, located either on or in the vicinity of the site
- ii) Potential pathways for contamination migration: these comprise the routes or mechanisms by which contaminants may migrate from the source to the receptor including environmental migration pathways and human health exposure pathways
- iii) Potential receptors of contamination: these include future land users, ecological systems, water resources and property.

5.2 Potential Contaminants of Concern

5.2.1 The site was occupied by undeveloped agricultural fields on the earliest maps available (1867). The 1956 map shows heavy development in the surrounding area, including war bunkers located immediately north, east and south of the site. The bunkers were believed to have been constructed between 1939 and 1941 for the Royal Ordnance Factory (ROF), Kirkby to supply ordnance during WWII. A railway line (siding) associated with the bunkers was located in the east of the site. See extract from 1962 historic map below:

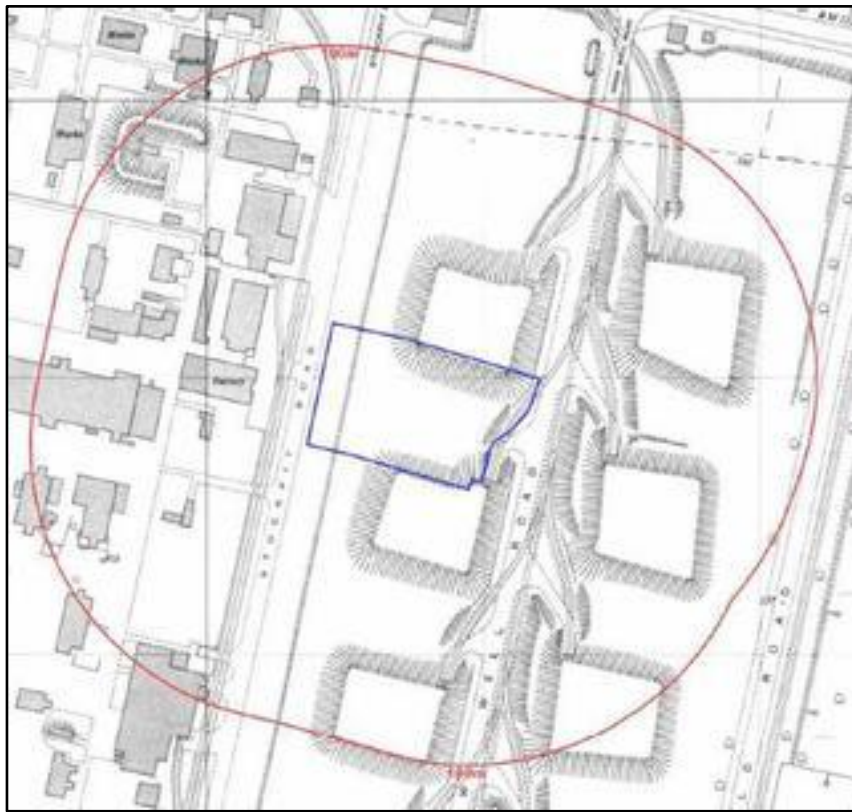


Figure 3: Extract from 1962 Historic Map (blue line is site boundary)

- 5.2.2 The industrial estate was developed in the surrounding area to the north and west during this period (1956) and associated infrastructure being developed in the surrounding area to the north, west and south of the site. Circa 1986, a depot was mapped on the western portion of the site with a second unspecified building located along the southern boundary by 1994. The site remained relatively unchanged until 2019 when the building on the western portion of the site was absent. The layout presented on the 2019 is similar/same as the current site layout. An above ground diesel storage tank is located in the southeastern corner of the site.
- 5.2.3 Given the site history there is potential for contamination the be present on site due to historic/current presence of railway line, demolished buildings, diesel tank, made ground and industrial activities.
- 5.2.4 Potential sources of contamination off-site that could pose significant risk to site include the war bunkers, railway sidings, tank farms, industrial estate, waste sites and any made ground/pollution incidents associated with surrounding land uses.
- 5.2.5 Furthermore, the Enviro+GeolInsight Report identified a petrol station (163m southwest), substations (closest being 118m northwest) and marl pit (250m east). Due to the distance from site, direction of the groundwater flow and low mobility of some contaminants (PCB's from the substations), these are unlikely to affect site and have not been considered further.

- 5.2.6 The potential contaminants of concern associated with former/current activities and unknown made ground are presented below:

Contaminants Associated with Made Ground	
Arsenic	Zinc
Cadmium	Cyanide
Chromium	Phenols
Copper	Sulphate
Lead	Polycyclic Aromatic Hydrocarbons (PAHs)
Mercury	Total Petroleum Hydrocarbons (TPHCWG)
Nickel	pH
Selenium	Asbestos

Table 5: Potential Contaminants of Concern

- 5.2.7 It should be noted that the above list represents a broad range of potential contaminants of concern. Additional contaminants of concern may be present if ground conditions differ from those anticipated.

- 5.2.8 Given the potential for made ground to be present on and off-site (artificial ground identified in Section 4.1.4) and the peat deposits found within the nearest borehole to site (24m west), there are potential sources of ground gas on and off-site. Therefore, risks from ground gas will need to be considered.

5.3 Potential Pathways

- 5.3.1 The pathways through which contaminants may reach receptors are in part dependent by the nature and behaviour of the contaminant and the intended end use of the site.

- 5.3.2 The following potential pathways have been identified with respect to the existing site condition, the environmental setting and the proposed development. These area all assessed in the conceptual model:

- Ingestion of contaminated soil (groundworkers and landscaped areas only)
- Inhalation of contamination dust/organic vapours
- Indoor inhalation of ground gas
- Dermal contact (groundworkers and landscaped areas only)
- Dissolution or suspension (leaching) of contaminants into pore waters affecting plant growth.



- Dissolution or suspension (leaching) of contaminants from site soils leading to vertical migration within perched waters to groundwater. Potential significant pathways include more permeable layers within the made ground/natural strata, where clay is absent and underground services and piles/foundations.
- Contamination affecting the integrity of service pipelines by direct contact
- Buildings affected by direct contact with elevated concentrations of sulphate and/or extreme pH.

5.4 Receptors

- 5.4.1 Potential site-specific receptors that may be affected by contamination at the site are listed below:

Future Site Users

- 5.4.2 No landscaped areas are currently anticipated to be part of the proposed development. However, if landscaped areas are to be incorporated in any layout changes, then Risks associated with ingestion of soils as well as inhalation of contaminated dust (including asbestos) and dermal contact with contaminants of concern should be considered further.
- 5.4.3 Human health could also be at risk from indoor inhalation of dust/vapours and ground gas.

Construction Workers

- 5.4.4 The primary risks to construction workers are associated with shallow excavations as asbestos could be present. Asbestos fibres (if present) can be released into the atmosphere during earthworks of the development.
- 5.4.5 Standard personal protective equipment and site-specific risk assessments and method statements should reduce risks associated with other contaminants of concern due to short exposure duration.

Off Site Receptors

- 5.4.6 Off site receptors include nearby business users, business owners and nearby residents. Human health could be at risk if asbestos fibres are released during the re-development.



Flora

- 5.4.7 No landscaped areas are currently anticipated to be part of the proposed development and is heavily surrounded by commercial properties on the industrial estate. However, if landscaped areas to be incorporated in any layout changes then risks associated with phytotoxic contaminants of concern will need to be considered.

Buildings & Services

- 5.4.8 The integrity of service pipes can be affected by concentrations of organic contamination.
- 5.4.9 Risks to buildings (concrete) can occur due to elevated concentrations of sulphate in the shallow ground and extreme pH. Risks to the integrity of service pipes can occur due to elevated concentrations of specific organic contamination.

Controlled Waters

- 5.4.10 The Enviro+GeoInsight Report did not identify any surface water features within 250 m of the site.
- 5.4.11 The superficial deposits Aquifer on site has been classified by the Environment Agency as a 'Secondary A' aquifer. The underlying bedrock is classified as a 'Principal' aquifer. Both of these aquifers are considered to be at risk from contamination at the site, particularly due to the potential for the absence of natural clay deposits covering the bedrock deposits.
- 5.4.12 Dissolution or suspension (leaching) of contaminants from site soils can impact on surface water and groundwater quality.

5.5 Preliminary Conceptual Model

- 5.5.1 The identified potential sources of contaminants, pathways and receptors have been assessed to establish plausible pollutant linkages. All potentially significant pollutant linkages are detailed in the Table in Appendix C.

5.6 Potentially Significant Pollutant Linkages

- 5.6.1 A number of possible 'significant pollutant linkages' have been identified associated with the site.
- 5.6.2 Potential risks have been identified to the harm of the health of humans both on and off site due to the potential for direct contact with contaminants in the made ground and the ingestion of contaminated soil/dust (**Link 1**).



- 5.6.3 There is also the possibility of windblown particulates being inhaled by people/animals both on site and off site ([Link 2](#)).
- 5.6.4 Human health could be at risk by the indoor inhalation of ground gas ([Link 3](#)) and volatile organic contaminants ([Link 4](#)) migrating into properties on site.
- 5.6.5 Property (including services) could be affected by direct contact to high concentrations of contaminants ([Link 5](#)).
- 5.6.6 Dissolution or suspension (leaching) of contaminants from site soils leading to lateral migration within perched water and posing a risk to surface water features ([Link 6](#)).
- 5.6.7 Dissolution or suspension (leaching) of contaminants from site soils leading to impact on the underlying superficial and bedrock aquifers. Potential significant pathways include areas where clay deposits are absent and locations of deep piles/foundations at the site ([Link 7](#)).
- 5.6.8 Site investigation is required to identify site specific conditions and assess the risks associated with each identified plausible pollutant linkage.

6. RECOMMENDATIONS

6.1 Based on the findings of the Preliminary Risk Assessment herein, a number of potential risks associated with contamination have been identified with respect to the proposed commercial development.

6.2 Risks have been identified to human health, property (including concrete and services) and controlled waters. Site investigation is required to determine shallow ground conditions and quantify the potential risks identified.

6.3 BEK recommends that the following works should be undertaken:

Site Investigation (Contaminated Land Investigation)

6.4 Considering the information available and with respect to the planning conditions for the site, BEK recommends the following intrusive site investigation works to quantify the risks to human health, controlled waters, property and to determine the risks from ground gas at the site

Window Sample Boreholes

6.5 A series of window sample boreholes will be drilled to a maximum depth of 5 m bgl over one day to characterise the shallow ground conditions across site, the proposed locations of which can be seen on BEK Drawing No. 25026-3-RevB, a copy of which is presented in Appendix E and an extract of which can be seen in Figure 4 below.

6.6 The investigation will target historic activities as well as a general spread across the site (considering the proposed development layout) to provide widespread information for the ground conditions to prove nature and thickness of any made ground present and characterise the natural strata.

6.7 The ground conditions will be recorded by an experienced engineer and representative samples recovered for chemical and geotechnical testing. Utility plans will be acquired prior to the site investigation and all borehole locations will be CAT scanned prior to drilling to help avoid below ground services. In-situ strength testing (SPT's) will be undertaken to inform foundation options.

6.8 Gas/groundwater monitoring wells will be installed within 3 of the window sample boreholes in order to assess the potential risks from ground gas and to allow the acquisition of groundwater samples (if groundwater found to be present) for chemical testing and to allow the assessment of potential risks to controlled waters.

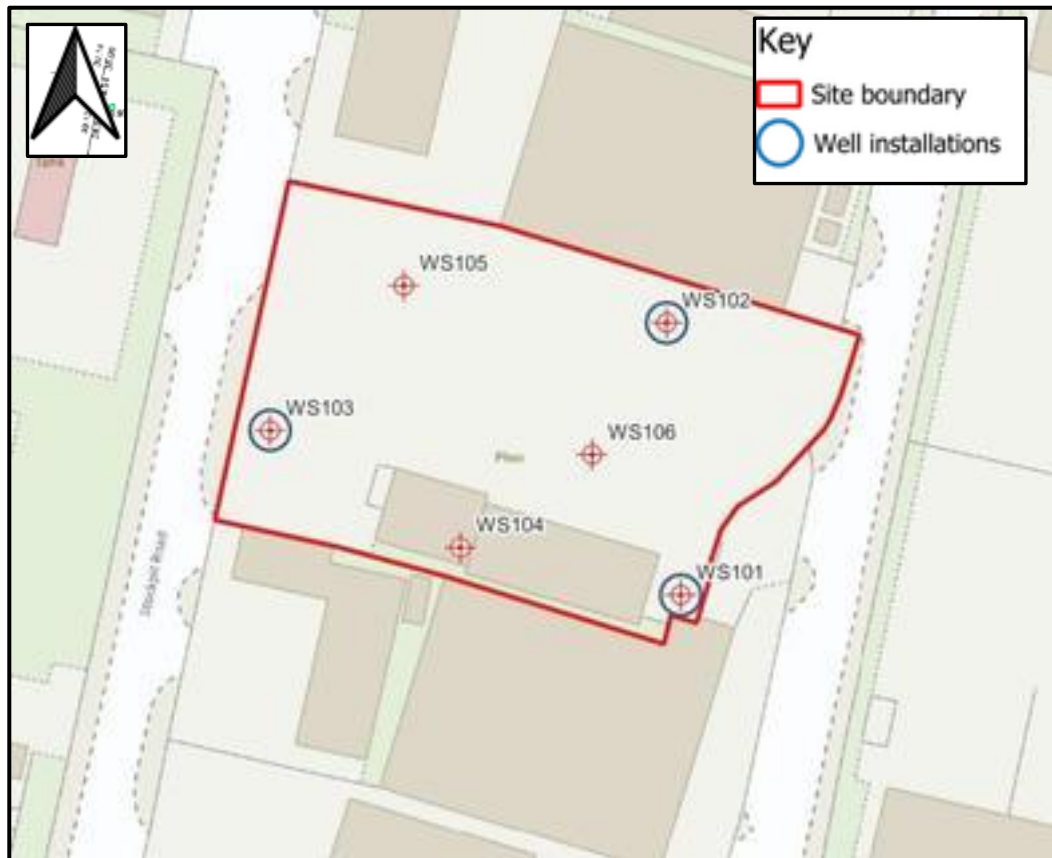


Figure 4: Proposed Window Sample Borehole & Well Installation Locations

Laboratory Testing

6.9 Representative samples recovered from the window sample boreholes will be delivered to the UKAS laboratory of Envirolab for the following selected analysis:

- 8 samples will be tested for: Arsenic (Total), Cadmium (Total), Copper (Total), Lead (Total), Nickel (Total), Zinc (Total), Chromium (Total), Selenium (Total), Mercury (Total), Boron (Soluble), Hexavalent Chromium, Cyanide (Total), pH, 16 EPA Poly-Aromatic Hydrocarbons (PAH), Total Phenols, Total Sulphate, Sulphate 2:1 extract, Soil Organic Matter, Total Petroleum Hydrocarbon Compounds (TPH-CWG) and Asbestos ID
- 3 groundwater samples will be tested for: Arsenic (Dissolved), Cadmium (Dissolved), Copper (Dissolved), Lead (Dissolved), Nickel (Dissolved), Zinc (Dissolved), Chromium (Dissolved), Selenium (Dissolved), Mercury (Dissolved), Boron (Dissolved), Hexavalent Chromium (dissolved), Cyanide (Total), pH, Chloride, Sulphate, Total Phenols, DOC, Ammoniacal Nitrogen as N, 16 EPA Poly-Aromatic Hydrocarbons (PAH), Total Petroleum Hydrocarbon Compounds (TPH-CWG), BTEX Compounds, and MTBE



- 6.10 Following a review of the ground conditions encountered, a selection of samples will be tested for the contaminants of concern listed in Table 5 of this report. These will serve to determine any potential issues with potential made ground deposits beneath the site and the proposed development.
- 6.11 If visual or olfactory evidence of contamination is encountered during the site investigation then it may be necessary to undertake additional testing.
- 6.12 Testing will allow for a determination of a suitable concrete classification for the natural strata at the site. Depending on ground conditions encountered, samples may also be tested for geotechnical properties to inform foundation design. All testing will be carried out by a UKAS accredited laboratory to MCERTS standard (where available).
- 6.13 In addition, if soils or made ground materials are to be removed from site to facilitate the development works then it may be necessary to test soils/made ground for Waste Acceptance Criteria (WAC).
- 6.14 The wells will be monitored routinely over a 3-month period for gas flow rates, concentrations and groundwater levels. Monitoring will include gas flow rates, carbon dioxide, methane and oxygen concentrations, barometric pressure and water levels. The results of the gas monitoring will then be assessed within a Ground Gas Risk Assessment Report.
- 6.15 The site investigation will be assessed as part of a quantitative risk assessment to amend the conceptual site model and identify any potential significant pollutant linkages. The assessment will be undertaken in accordance with UK guidance and policy.

Reporting

- 6.16 The investigation findings should be assessed in accordance with current UK policy and guidance to identify any potential significant pollutant linkages and determine the requirements for mitigation and/or remediation.
- 6.17 The works undertaken will be detailed in a Site Investigation & Ground Assessment report along with full justifications for the assessment and the conclusions/recommendations.

Other Considerations

- 6.18 In addition to the assessment of the shallow ground conditions with respect to contamination, we would recommend that the site investigation includes some geotechnical testing/sampling to provide information for foundation design as well as soakaway tests to facilitate surface water drainage design.



- 6.19 We would also recommend that consideration is given to the requirements of the water supply service provider and the completion of the UKWIR risk assessment for water pipe selection.

APPENDIX A

Historical OS Maps

Site Details:

PHOENIX HOUSE, STOCKPIT
ROAD, KNOWSLEY INDUSTRIAL
PARK, KIRKBY, KNOWSLEY, L33
7TQ

Client Ref: 8565-25026-PC
Report Ref: GS-T8D-3HJ-44O-P1G
Grid Ref: 343578, 398889

Map Name: County Series

Map date: 1867

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1867
Revised 1867
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1867
Revised 1867
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1867
Revised 1867
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1867
Revised 1867
Edition N/A
Copyright N/A
Levelled N/A

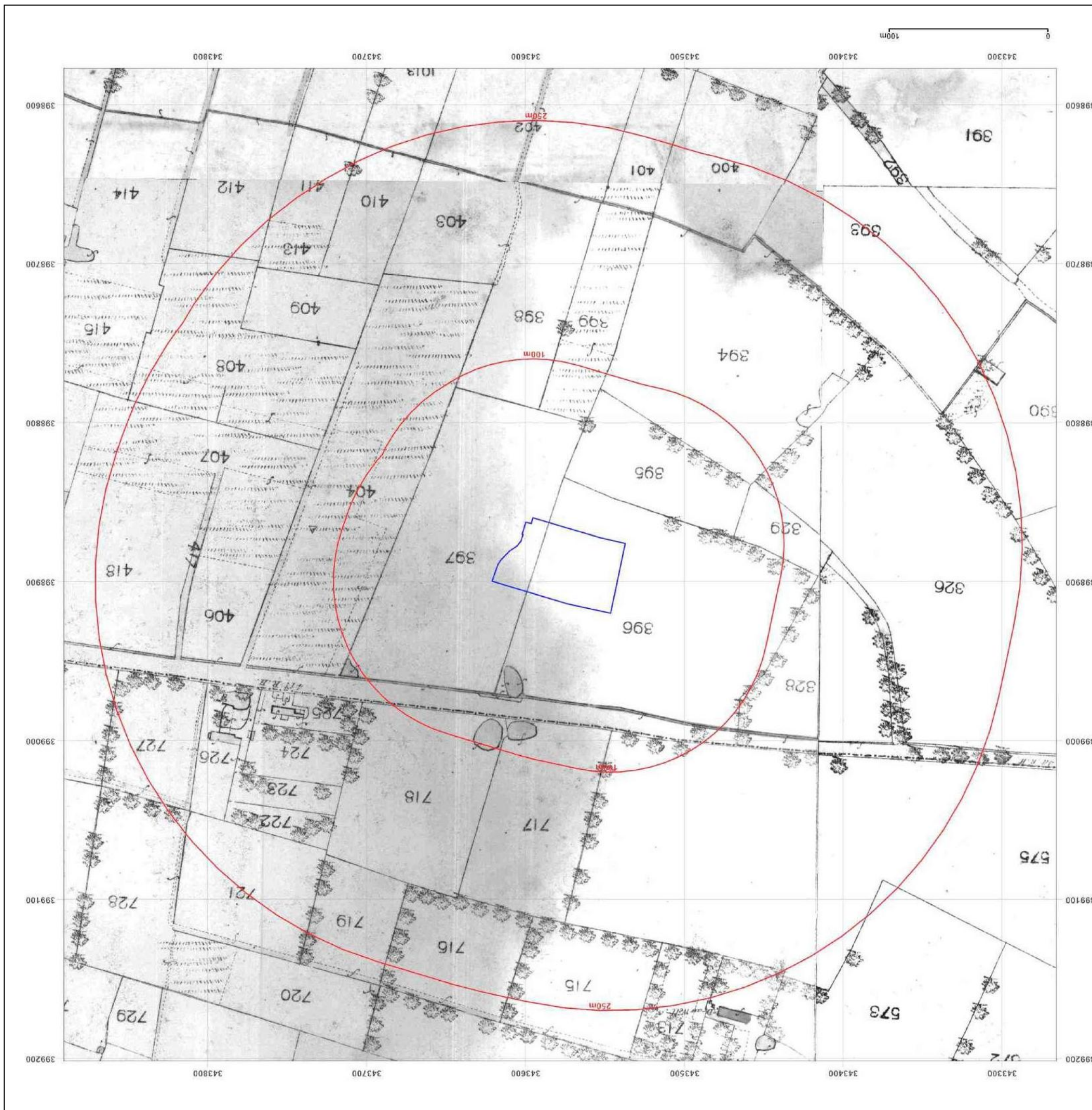


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 19 March 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

PHOENIX HOUSE, STOCKPIT
ROAD, KNOWSLEY INDUSTRIAL
PARK, KIRKBY, KNOWSLEY, L33
7TQ

Client Ref: 8565-25026-PC
Report Ref: GS-T8D-3HJ-44O-P1G
Grid Ref: 343578, 398889

Map Name: County Series

Map date: 1893

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

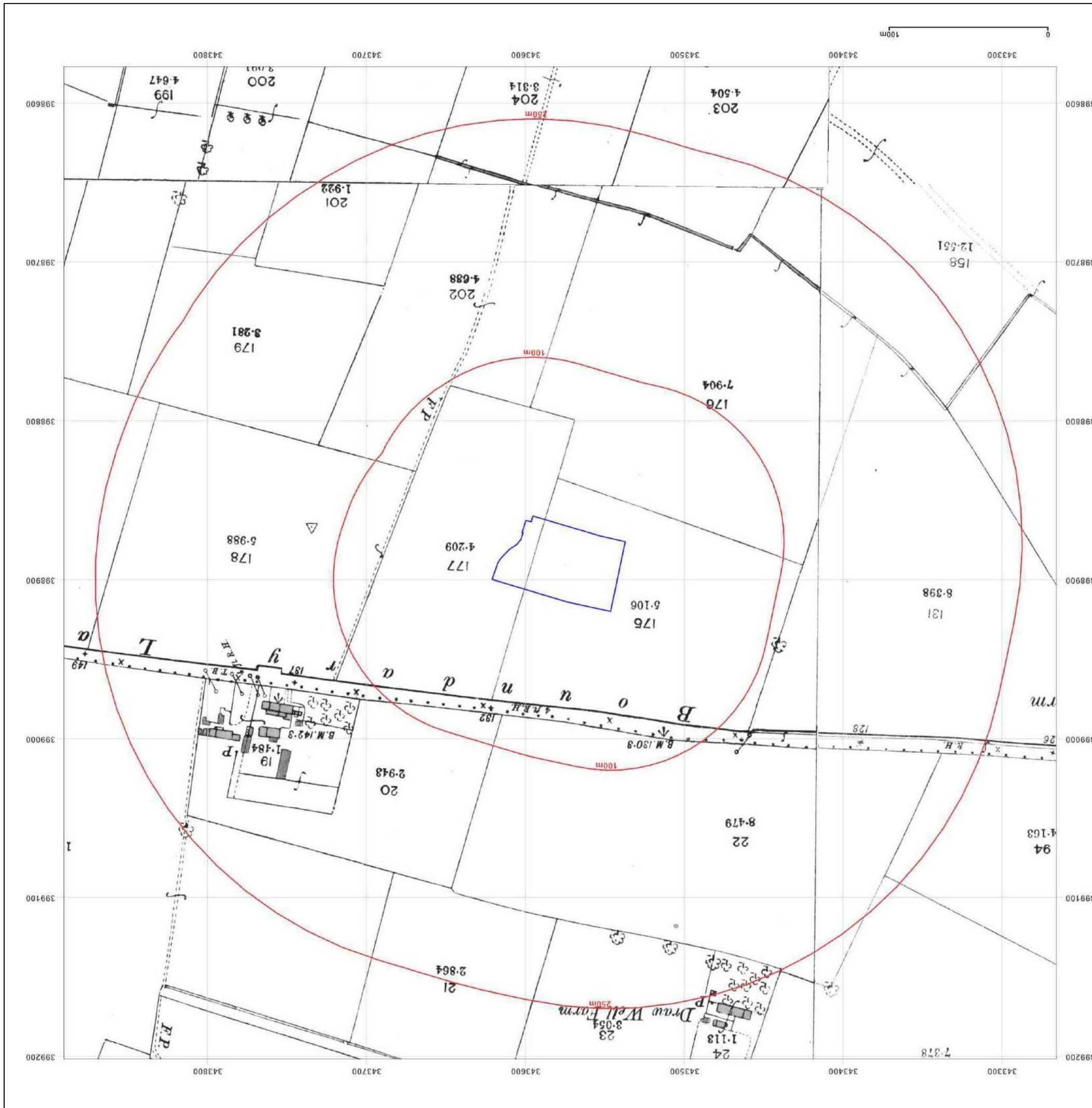


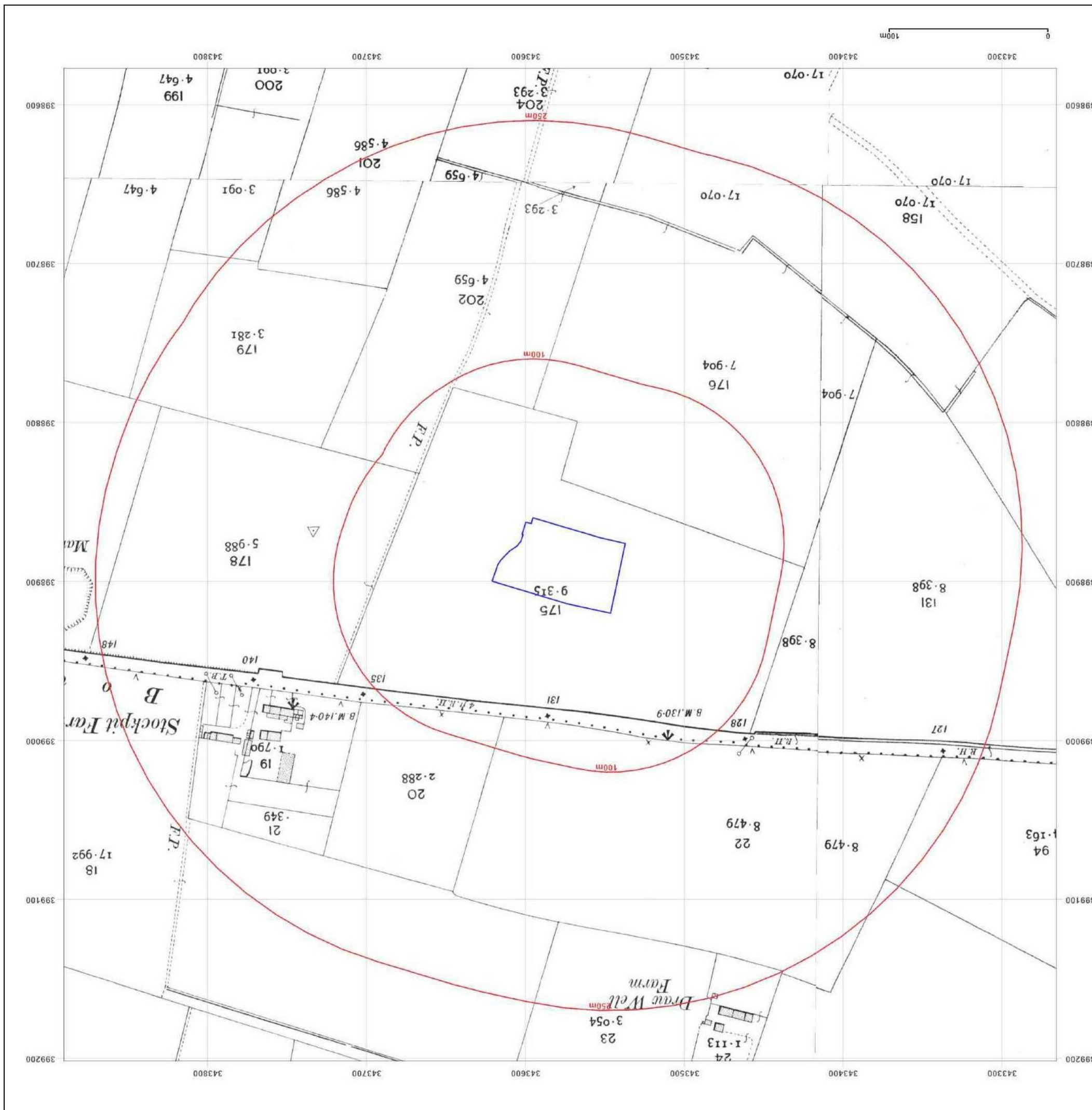
Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 19 March 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf





Site Details:

PHOENIX HOUSE, STOCKPIT
ROAD, KNOWSLEY INDUSTRIAL
PARK, KIRKBY, KNOWSLEY, L33
7TQ

Client Ref: 8565-25026-PC
Report Ref: GS-T8D-3HJ-44O-P1G
Grid Ref: 343578, 398889

Map Name: County Series

Map date: 1927

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1927
Revised 1927
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1927
Revised 1927
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1927
Revised 1927
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1927
Revised 1927
Edition N/A
Copyright N/A
Levelled N/A

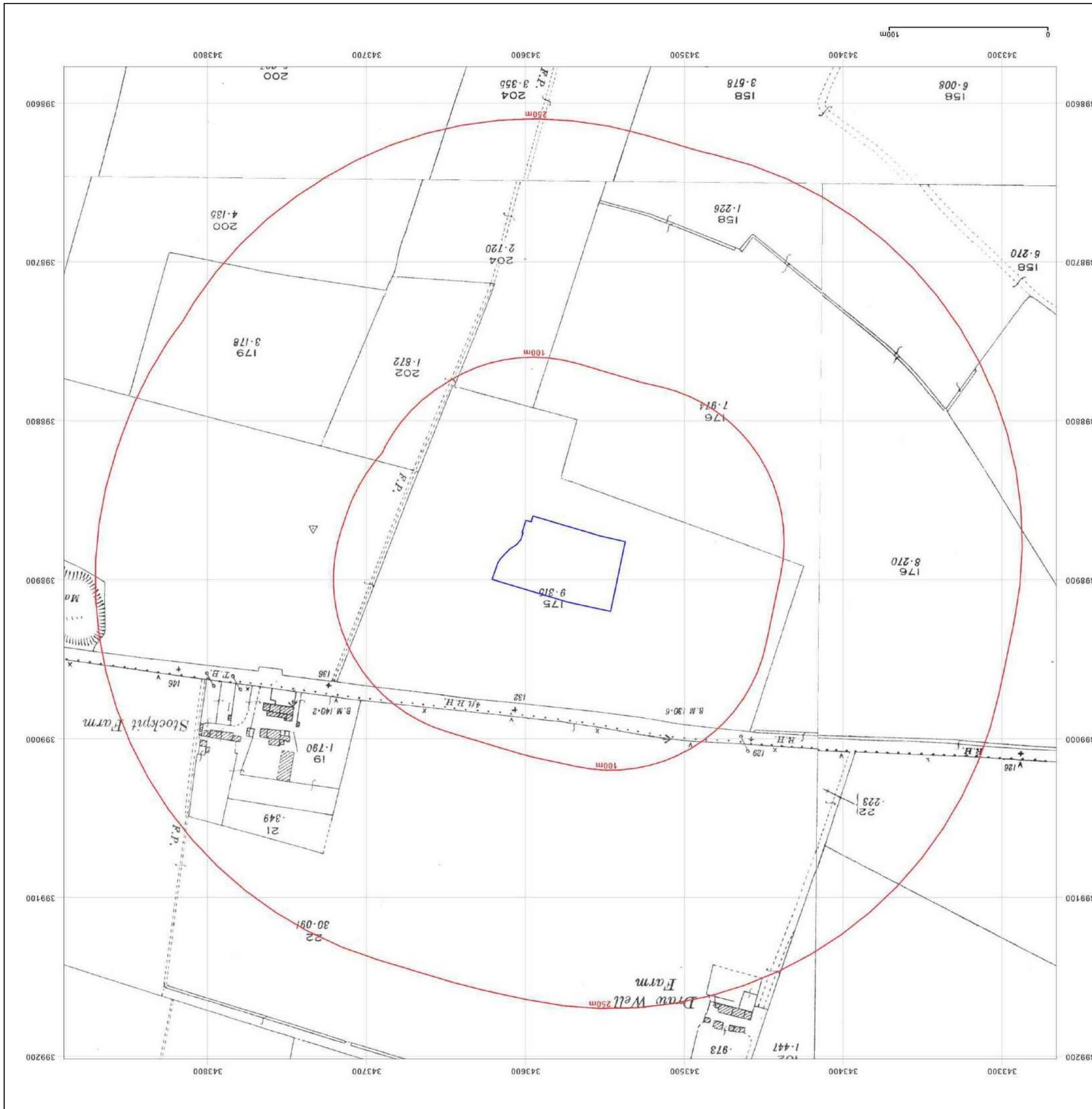


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 19 March 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

PHOENIX HOUSE, STOCKPIT
ROAD, KNOWSLEY INDUSTRIAL
PARK, KIRKBY, KNOWSLEY, L33
7TQ

Client Ref: 8565-25026-PC
Report Ref: GS-T8D-3HJ-44O-P1G
Grid Ref: 343578, 398889

Map Name: National Grid

Map date: 1960-1962

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1961
Revised 1961
Edition N/A
Copyright 1962
Levelled 1957

Surveyed 1961
Revised 1961
Edition N/A
Copyright 1962
Levelled 1957

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
Levelled 1957

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
Levelled 1957



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 19 March 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

PHOENIX HOUSE, STOCKPIT
ROAD, KNOWSLEY INDUSTRIAL
PARK, KIRKBY, KNOWSLEY, L33
7TQ

Client Ref: 8565-25026-PC
Report Ref: GS-T8D-3HJ-44O-P1G
Grid Ref: 343578, 398889

Map Name: National Grid

Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1961
Revised 1961
Edition 1962
Copyright 1962
Levelled 1957

Surveyed 1960
Revised 1960
Edition 1962
Copyright 1962
Levelled 1957

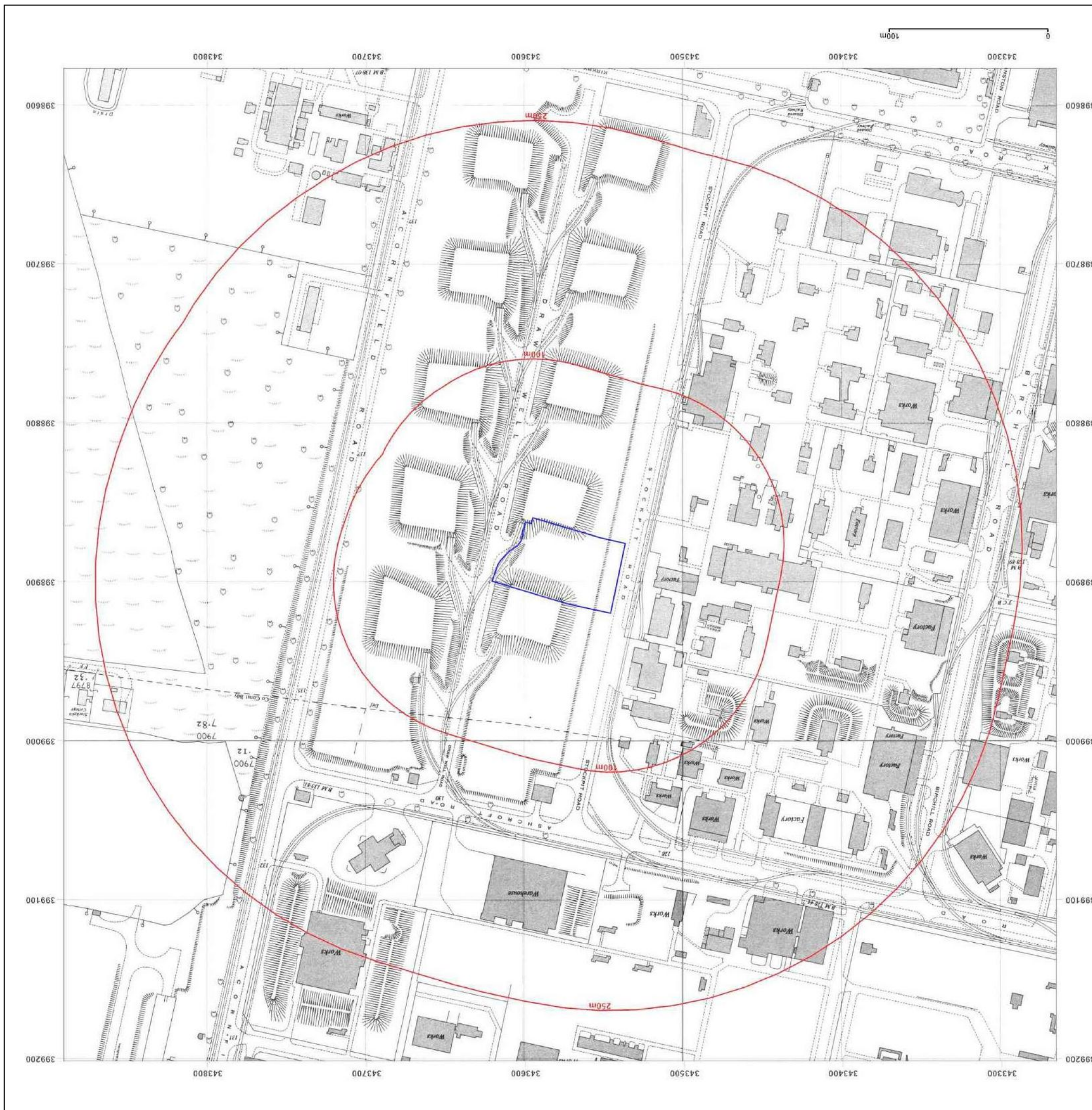


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 19 March 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

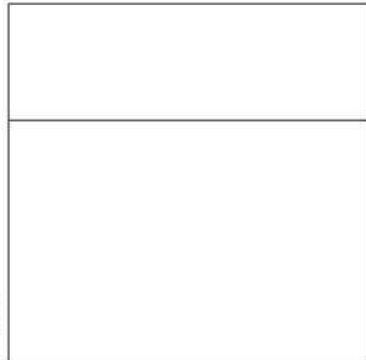
PHOENIX HOUSE, STOCKPIT ROAD, KNOWSLEY INDUSTRIAL PARK, KIRKBY, KNOWSLEY, L33 7TQ

Client Ref: 8565-25026-PC
Report Ref: GS-T8D-3HJ-44O-P1G
Grid Ref: 343578, 398889

Map Name: National Grid
Map date: 1971
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1968
Revised 1968
Edition N/A
Copyright 1971
Levelled 1960



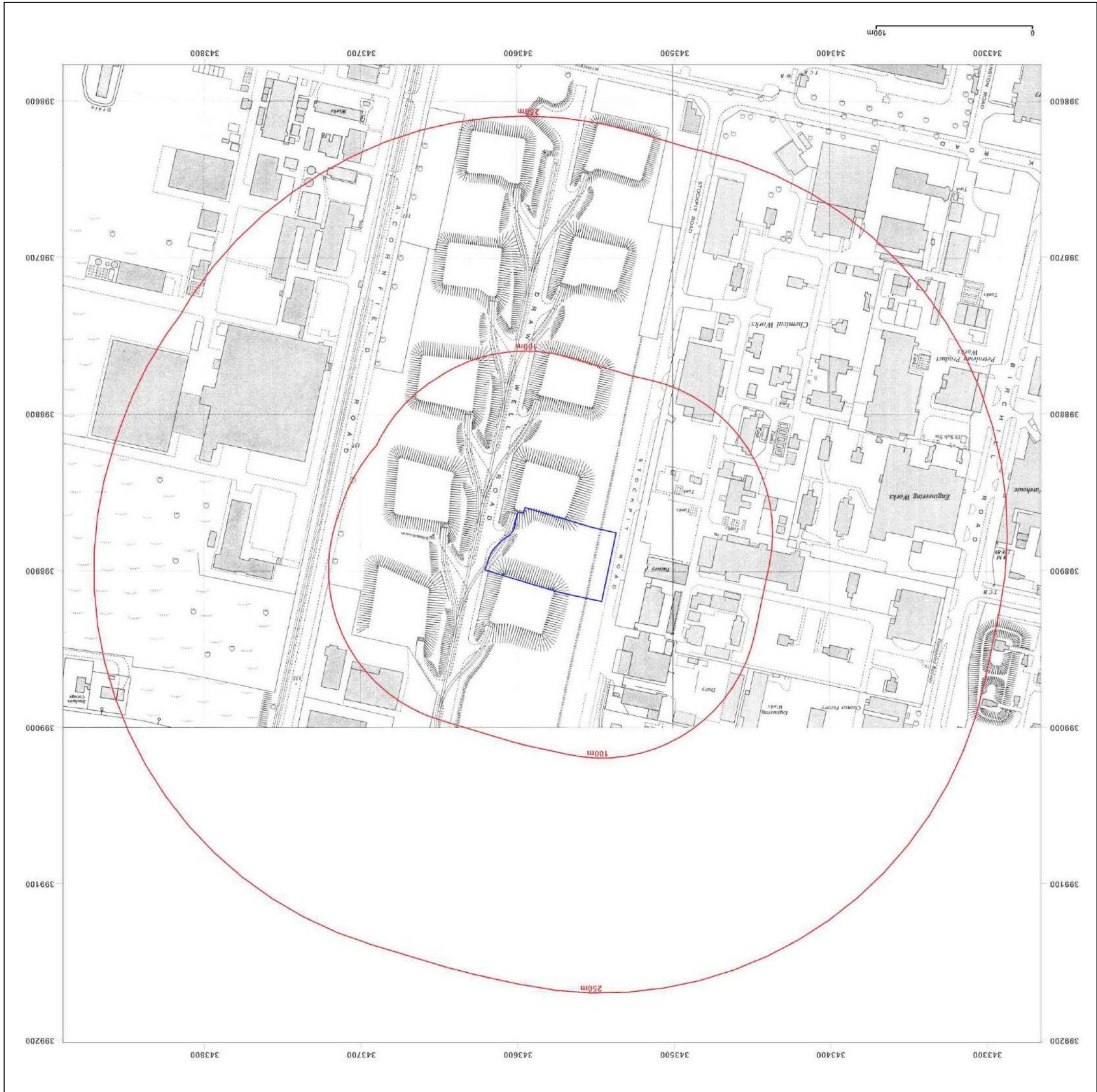
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 19 March 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

PHOENIX HOUSE, STOCKPIT ROAD, KNOWSLEY INDUSTRIAL PARK, KIRKBY, KNOWSLEY, L33 7TQ

Client Ref: 8565-25026-PC

Report Ref: GS-T8D-3HJ-44O-P1G

Grid Ref: 343578, 398889

Map Name: National Grid

Map date: 1969-1972

Scale: 1:1,250

Printed at: 1:2,000

Surveyed 1961

Revised 1970

Edition N/A

Copyright 1971

Levelled 1957

Surveyed 1961

Revised 1970

Edition N/A

Copyright 1971

Levelled 1957

Surveyed 1968

Revised 1968

Edition N/A

Copyright 1969

Levelled 1957

Surveyed 1959

Revised 1971

Edition N/A

Copyright 1972

Levelled 1957



Produced by

Groundsure Insights

T: 08444 159000

E: info@groundsure.com

W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 19 March 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

PHOENIX HOUSE, STOCKPIT
ROAD, KNOWSLEY INDUSTRIAL
PARK, KIRKBY, KNOWSLEY, L33
7TQ

Client Ref: 8565-25026-PC
Report Ref: GS-T8D-3HJ-44O-P1G
Grid Ref: 343578, 398889

Map Name: National Grid

Map date: 1977

Scale: 1:1,250

Printed at: 1:2,000



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

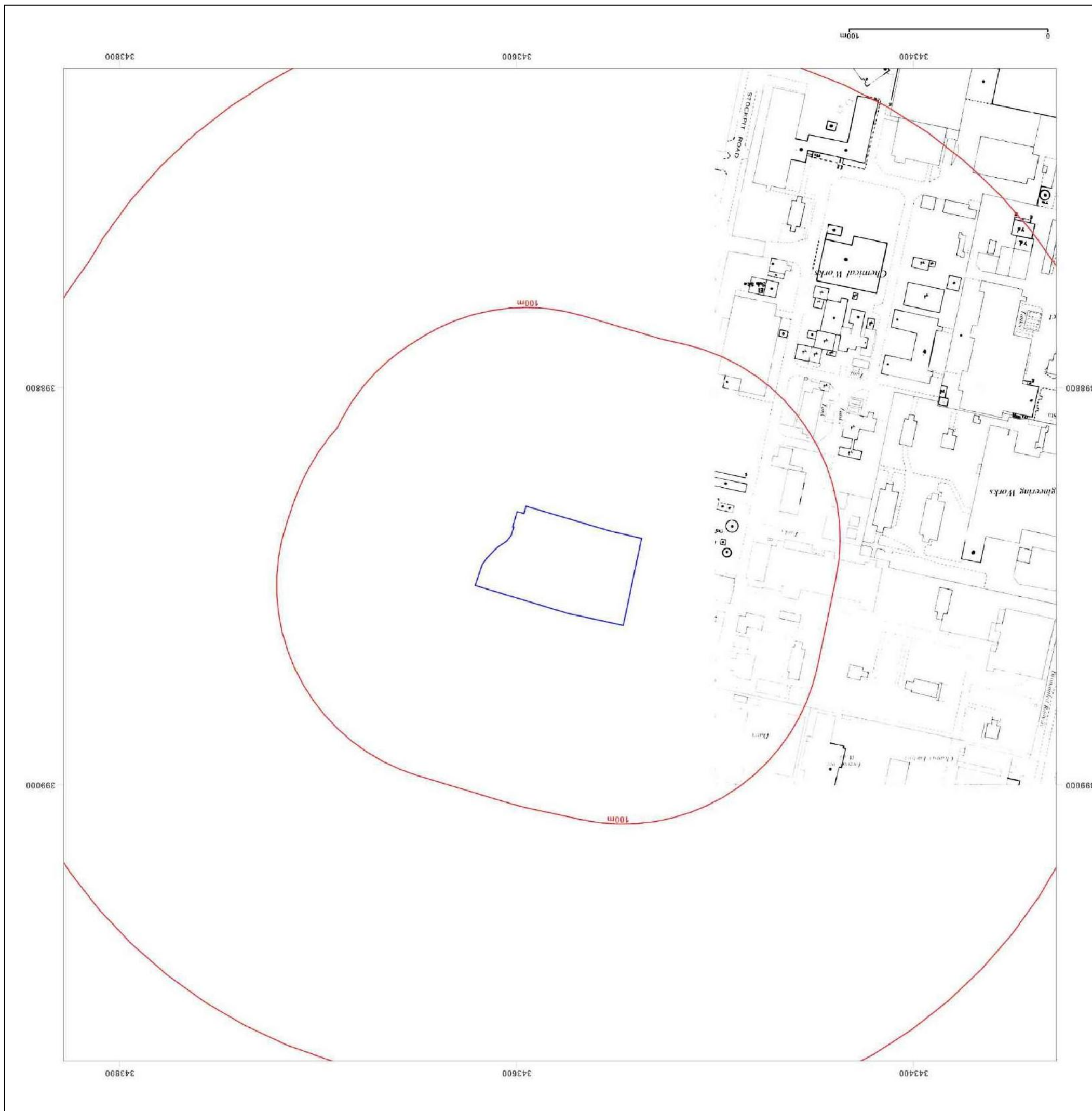


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 19 March 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

PHOENIX HOUSE, STOCKPIT
ROAD, KNOWSLEY INDUSTRIAL
PARK, KIRKBY, KNOWSLEY, L33
7TQ

Client Ref: 8565-25026-PC
Report Ref: GS-T8D-3HJ-44O-P1G
Grid Ref: 343578, 398889

Map Name: National Grid

Map date: 1984-1986

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1986
Levelled 1957

Surveyed 1957
Revised 1984
Edition N/A
Copyright 1984
Levelled 1957

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1984
Levelled 1957



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 19 March 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

PHOENIX HOUSE, STOCKPIT ROAD, KNOWSLEY INDUSTRIAL PARK, KIRKBY, KNOWSLEY, L33 7TQ

Client Ref: 8565-25026-PC
Report Ref: GS-T8D-3HJ-44O-P1G
Grid Ref: 343578, 398889

Map Name: National Grid
Map date: 1992-1994
Scale: 1:1,250
Printed at: 1:2,000

Surveyed 1994
Revised 1994
Edition N/A
Copyright 1994
Levelled N/A

Surveyed 1992
Revised 1992
Edition N/A
Copyright 1992
Levelled N/A

Surveyed 1994
Revised 1994
Edition N/A
Copyright 1994
Levelled N/A

Surveyed 1994
Revised 1994
Edition N/A
Copyright 1994
Levelled N/A



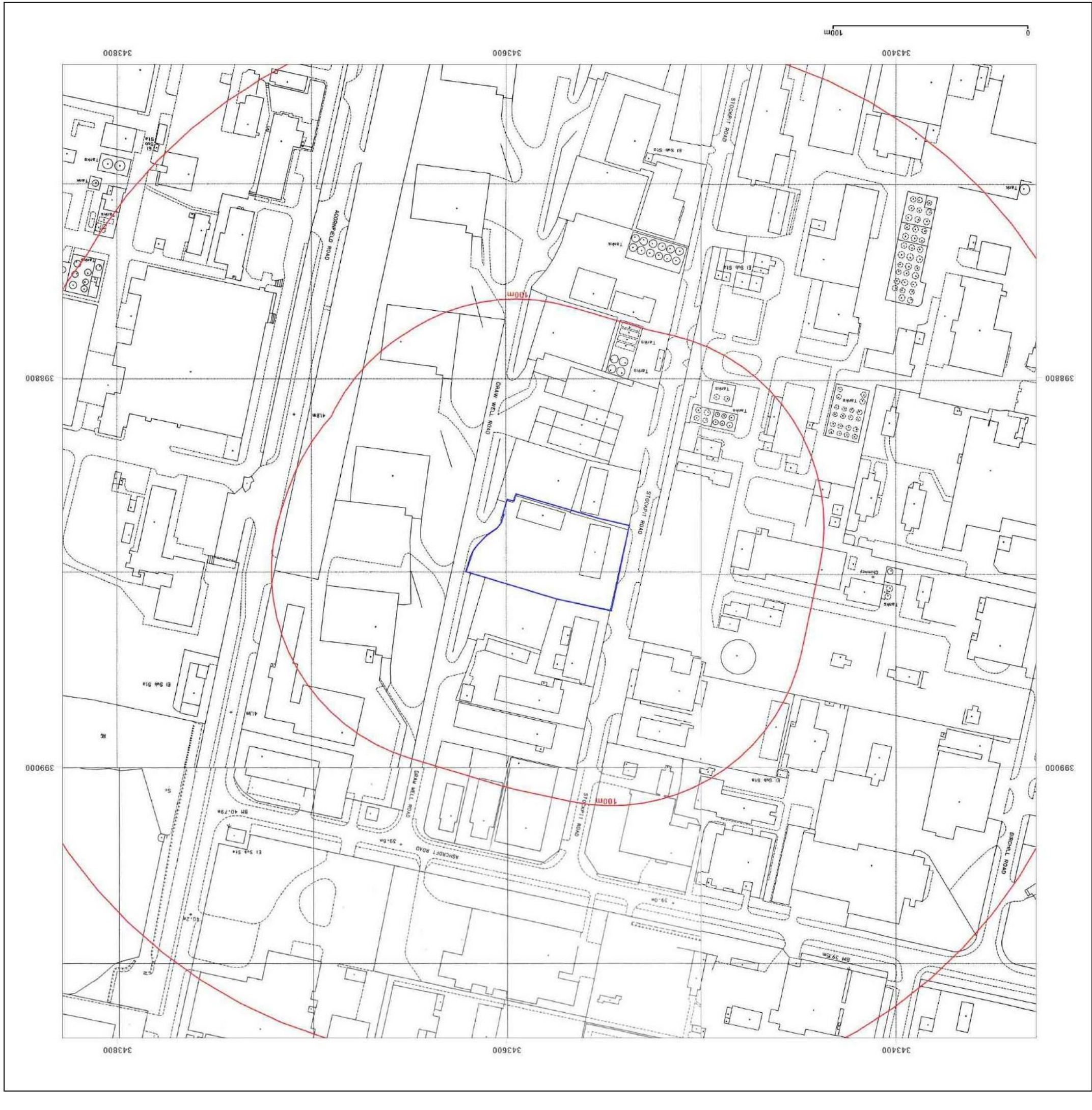


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 19 March 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

PHOENIX HOUSE, STOCKPIT
ROAD, KNOWSLEY INDUSTRIAL
PARK, KIRKBY, KNOWSLEY, L33
7TQ

Client Ref: 8565-25026-PC
Report Ref: GS-T8D-3HJ-44O-P1G
Grid Ref: 343578, 398889

Map Name: National Grid

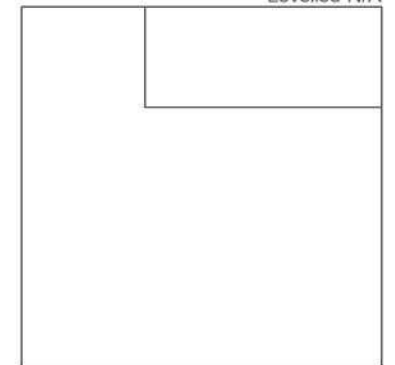
Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1994
Revised 1994
Edition N/A
Copyright 1994
Levelled N/A

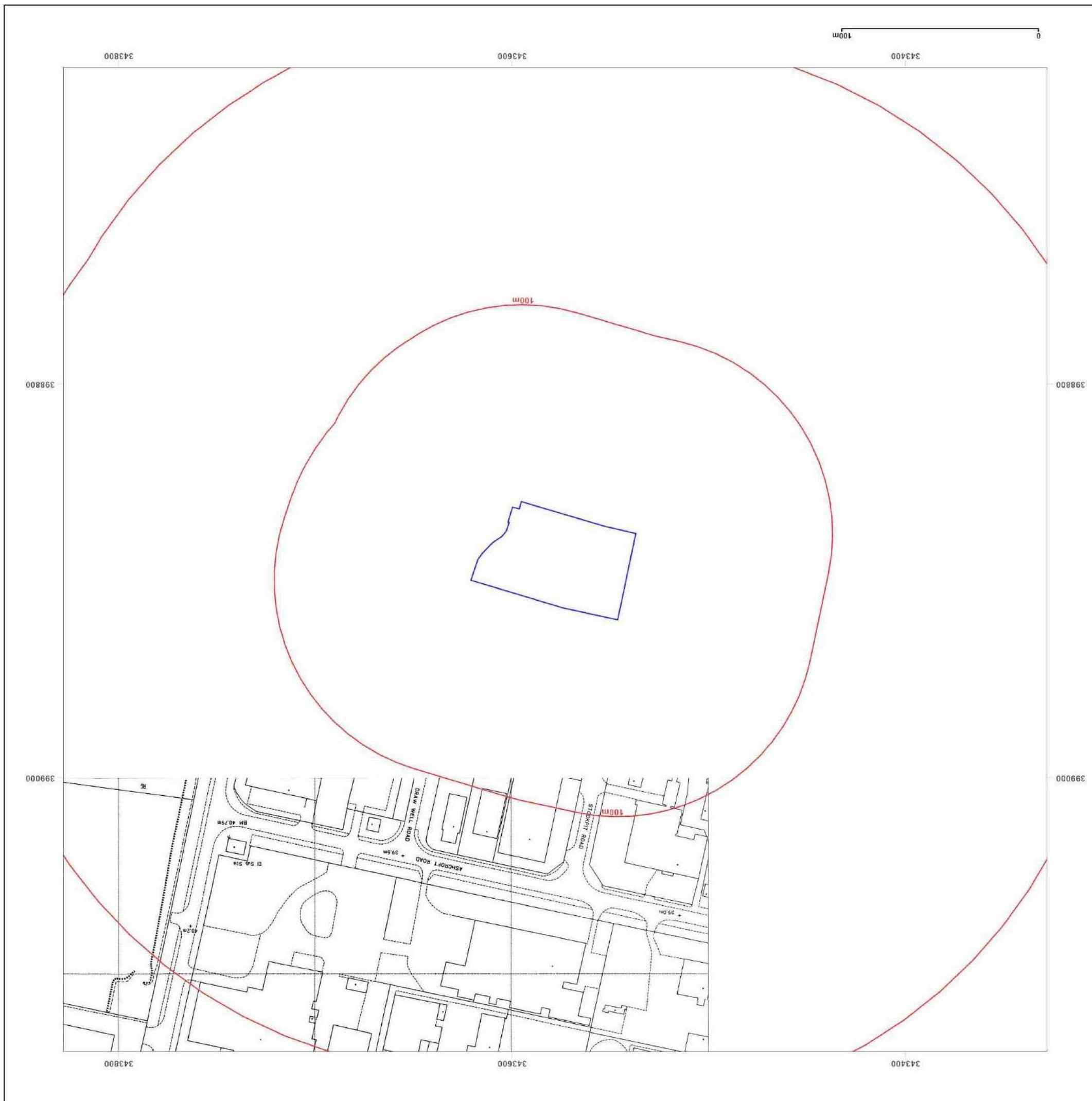


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 19 March 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

PHOENIX HOUSE, STOCKPIT
ROAD, KNOWSLEY INDUSTRIAL
PARK, KIRKBY, KNOWSLEY, L33
7TQ

Client Ref: 8565-25026-PC
Report Ref: GS-T8D-3HJ-44O-P1G
Grid Ref: 343578, 398889

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



2003



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 19 March 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



APPENDIX B

Enviro+GeoInsight Report

PHOENIX HOUSE, STOCKPIT ROAD, KNOWSLEY INDUSTRIAL PARK, KIRKBY, KNOWSLEY, L33 7TQ

Order Details

Date: 19/03/2025
Your ref: 8565-25026-PC
Our Ref: GS-CUI-L1V-PIS-4YA

Site Details

Location: 343575 398890
Area: 0.32 ha
Authority: [Knowsley Metropolitan Borough Council](#) ↗



Summary of findings

[p. 2 >](#) **Aerial image**

[p. 9 >](#)

OS MasterMap site plan

[p.14 >](#) [Insight User Guide](#) ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	5	0	6	13	-
17 >	1.2 >	Historical tanks >	0	5	38	116	-
23 >	1.3 >	Historical energy features >	0	0	9	31	-
24 >	1.4 >	Historical petrol stations >	0	0	1	0	-
25	1.5	Historical garages	0	0	0	0	-
25 >	1.6 >	Historical military land >	1	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
26 >	2.1 >	Historical industrial land uses >	6	0	6	15	-
28 >	2.2 >	Historical tanks >	0	7	47	152	-
35 >	2.3 >	Historical energy features >	0	0	15	45	-
38 >	2.4 >	Historical petrol stations >	0	0	2	0	-
38	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
39	3.1	Active or recent landfill	0	0	0	0	-
39	3.2	Historical landfill (BGS records)	0	0	0	0	-
40	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
40	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
40 >	3.5 >	Historical waste sites >	0	0	3	3	-
42 >	3.6 >	Licensed waste sites >	0	0	13	14	-
49 >	3.7 >	Waste exemptions >	35	12	11	112	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
63 >	4.1 >	Recent industrial land uses >	0	3	79	-	-
68	4.2	Current or recent petrol stations	0	0	0	0	-
69	4.3	Electricity cables	0	0	0	0	-
69	4.4	Gas pipelines	0	0	0	0	-
69	4.5	Sites determined as Contaminated Land	0	0	0	0	-

69 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	1	1	4	-
70	4.7	Regulated explosive sites	0	0	0	0	-
70 >	4.8 >	Hazardous substance storage/usage >	0	0	6	5	-
72 >	4.9 >	Historical licensed industrial activities (IPC) >	0	0	28	16	-
77 >	4.10 >	Licensed industrial activities (Part A(1)) >	0	0	124	89	-
115 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	5	-
116 >	4.12 >	Radioactive Substance Authorisations >	1	0	0	0	-
116 >	4.13 >	Licensed Discharges to controlled waters >	0	0	0	1	-
117	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
117	4.15	Pollutant release to public sewer	0	0	0	0	-
117 >	4.16 >	List 1 Dangerous Substances >	0	0	1	0	-
117 >	4.17 >	List 2 Dangerous Substances >	0	0	1	2	-
118 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	4	6	-
119 >	4.19 >	Pollution inventory substances >	0	0	2	4	-
128 >	4.20 >	Pollution inventory waste transfers >	0	0	3	5	-
165	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
166 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
168 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
169 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
170	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
170	5.5	Groundwater vulnerability- local information	None (within 0m)				
171 >	5.6 >	Groundwater abstractions >	0	0	5	4	25
179 >	5.7 >	Surface water abstractions >	0	0	0	0	2
180 >	5.8 >	Potable abstractions >	0	0	1	0	3
181 >	5.9 >	Source Protection Zones >	1	0	0	0	-
181	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
182 >	6.1 >	Water Network (OS MasterMap) >	0	0	1	-	-



183	6.2	Surface water features	0	0	0	-	-
183 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
183 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
184 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
185	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
185	7.2	Historical Flood Events	0	0	0	-	-
185	7.3	Flood Defences	0	0	0	-	-
186	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
186	7.5	Flood Storage Areas	0	0	0	-	-
187	7.6	Flood Zone 2	None (within 50m)				
187	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
188 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
190 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
191	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
192	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
192	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
192	10.4	Special Protection Areas (SPA)	0	0	0	0	0
192	10.5	National Nature Reserves (NNR)	0	0	0	0	0
193 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
193	10.7	Designated Ancient Woodland	0	0	0	0	0
193	10.8	Biosphere Reserves	0	0	0	0	0
193	10.9	Forest Parks	0	0	0	0	0
194	10.10	Marine Conservation Zones	0	0	0	0	0
194 >	10.11 >	Green Belt >	0	0	0	2	1
194	10.12	Proposed Ramsar sites	0	0	0	0	0



194	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
195	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
195	10.15	Nitrate Sensitive Areas	0	0	0	0	0
195 >	10.16 >	Nitrate Vulnerable Zones >	1	0	0	1	1
196	10.17	SSSI Impact Risk Zones	0	-	-	-	-
196	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
197	11.1	World Heritage Sites	0	0	0	-	-
197	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
197	11.3	National Parks	0	0	0	-	-
197	11.4	Listed Buildings	0	0	0	-	-
198	11.5	Conservation Areas	0	0	0	-	-
198	11.6	Scheduled Ancient Monuments	0	0	0	-	-
198	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
199 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
200	12.2	Open Access Land	0	0	0	-	-
200	12.3	Tree Felling Licences	0	0	0	-	-
200	12.4	Environmental Stewardship Schemes	0	0	0	-	-
200	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
201	13.1	Priority Habitat Inventory	0	0	0	-	-
201	13.2	Habitat Networks	0	0	0	-	-
201	13.3	Open Mosaic Habitat	0	0	0	-	-
201	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
202 >	14.1 >	10k Availability >	Identified (within 500m)				
203	14.2	Artificial and made ground (10k)	0	0	0	0	-
204	14.3	Superficial geology (10k)	0	0	0	0	-

204	14.4	Landslip (10k)	0	0	0	0	-
205	14.5	Bedrock geology (10k)	0	0	0	0	-
205	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
206 >	15.1 >	50k Availability >	Identified (within 500m)				
207 >	15.2 >	Artificial and made ground (50k) >	1	0	0	0	-
208 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
209 >	15.4 >	Superficial geology (50k) >	1	0	0	3	-
210 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
210	15.6	Landslip (50k)	0	0	0	0	-
210	15.7	Landslip permeability (50k)	None (within 50m)				
211 >	15.8 >	Bedrock geology (50k) >	1	0	0	0	-
212 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
212	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
213 >	16.1 >	BGS Boreholes >	0	2	52	-	-
Page	Section	Natural ground subsidence >					
217 >	17.1 >	Shrink swell clays >	Negligible (within 50m)				
218 >	17.2 >	Running sands >	Very low (within 50m)				
219 >	17.3 >	Compressible deposits >	Very low (within 50m)				
220 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
221 >	17.5 >	Landslides >	Very low (within 50m)				
222 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
224	18.1	BritPits	0	0	0	0	-
225 >	18.2 >	Surface ground workings >	0	0	6	-	-
225	18.3	Underground workings	0	0	0	0	0
225	18.4	Underground mining extents	0	0	0	0	-
226 >	18.5 >	Historical Mineral Planning Areas >	0	0	0	1	-



226	18.6	Non-coal mining	0	0	0	0	0
226	18.7	JPB mining areas	None (within 0m)				
226	18.8	The Coal Authority non-coal mining	0	0	0	0	-
227	18.9	Researched mining	0	0	0	0	-
227	18.10	Mining record office plans	0	0	0	0	-
227	18.11	BGS mine plans	0	0	0	0	-
227	18.12	Coal mining	None (within 0m)				
227	18.13	Brine areas	None (within 0m)				
228	18.14	Gypsum areas	None (within 0m)				
228	18.15	Tin mining	None (within 0m)				
228	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
229	19.1	Natural cavities	0	0	0	0	-
229	19.2	Mining cavities	0	0	0	0	0
229	19.3	Reported recent incidents	0	0	0	0	-
229	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
231 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
233 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	1	-	-	-
233	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
233	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
234	22.1	Underground railways (London)	0	0	0	-	-
234	22.2	Underground railways (Non-London)	0	0	0	-	-
235	22.3	Railway tunnels	0	0	0	-	-
235 >	22.4 >	Historical railway and tunnel features >	6	3	15	-	-
236	22.5	Royal Mail tunnels	0	0	0	-	-
236	22.6	Historical railways	0	0	0	-	-



236	22.7	Railways	0	0	0	-	-
237	22.8	Crossrail 2	0	0	0	0	-
237	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2025. All Rights Reserved

Capture Date: 20/05/2023

Site Area: 0.32ha



Recent site history - 2022 aerial photograph



Capture Date: 18/10/2022

Site Area: 0.32ha



Recent site history - 2015 aerial photograph



Capture Date: 11/06/2015

Site Area: 0.32ha



Recent site history - 2001 aerial photograph



Capture Date: 01/05/2001

Site Area: 0.32ha



Recent site history - 2000 aerial photograph



Capture Date: 21/07/2000

Site Area: 0.32ha



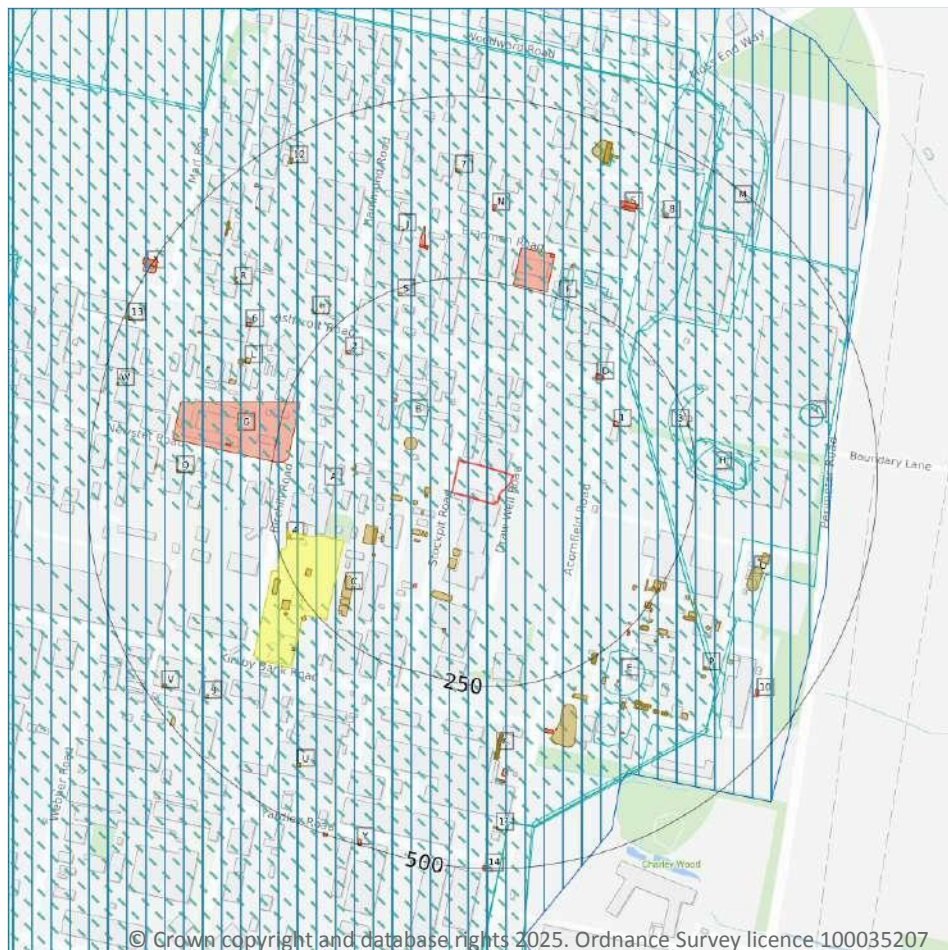
OS MasterMap site plan



Site Area: 0.32ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical petrol stations
- Historical military land

1.1 Historical industrial land uses

Records within 500m

24

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

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	On site	Industrial Estate	1966	918975



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Commercial/Industrial	1956	925687
A	On site	Industrial Estate	1988	955430
A	On site	Industrial Estate	1978	992608
A	On site	Railway Sidings	1955 - 1978	2405268
B	64m NW	Unspecified Heap	1966	843735
F	223m NE	Unspecified Heap	1978	843737
3	224m E	Unspecified Heap	1956	843738
H	244m E	Marl Pit	1928	968280
H	250m E	Marl Pit	1956	968696
H	250m E	Marl Pit	1907	984031
E	258m SE	Unspecified Heaps	1956	837902
F	276m NE	Unspecified Heaps	1978	837901
H	276m E	Unspecified Pit	1890	830662
E	312m SE	Unspecified Heaps	1956	837903
M	332m NE	Railway Sidings	1956	994428
O	351m E	Unspecified Tank	1988	850947
O	353m E	Unspecified Tank	1988	850948
T	402m E	Unspecified Heap	1966 - 1978	905313
T	402m E	Unspecified Heap	1988	971388
M	443m N	Unspecified Tanks	1966 - 1978	884154
M	443m N	Unspecified Tanks	1988	909096
M	452m N	Unspecified Tank	1988	974276
M	452m N	Unspecified Tank	1978	981654

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

159

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

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	30m W	Tanks	1984	108457
A	33m W	Tanks	1984	108456
A	33m W	Unspecified Tank	1972	114808
A	46m SW	Unspecified Tank	1969 - 1971	148163
A	48m W	Tanks	1969 - 1971	146705
B	61m NW	Unspecified Tank	1994	114798
A	64m SW	Tanks	1994	108425
A	66m SW	Tanks	1994	108511
A	67m SW	Tanks	1994	108518
A	68m W	Tanks	1969 - 1971	153438
A	73m S	Tanks	1994	108519
A	78m SW	Tanks	1994	108512
A	87m S	Tanks	1994	108520
A	88m W	Unspecified Tank	1962	137200
A	89m W	Unspecified Tank	1960	129890
A	96m SW	Unspecified Tank	1962	126357
A	96m SW	Unspecified Tank	1960	152053
A	110m SW	Unspecified Tank	1969 - 1971	140634
A	113m SW	Tanks	1994	144026
A	114m SW	Tanks	1969 - 1971	128040
A	135m W	Unspecified Tank	1994	114799



ID	Location	Land use	Dates present	Group ID
A	136m SW	Unspecified Tank	1969 - 1971	154461
A	136m W	Tanks	1994	108513
A	136m SW	Tanks	1994	108521
C	180m SW	Tanks	1994	108514
C	204m SW	Tanks	1994	108515
C	212m SW	Tanks	1994	108516
E	219m SE	Tanks	1972	108524
C	219m SW	Tanks	1969 - 1971	129967
C	225m SW	Unspecified Tank	1994	114800
E	230m SE	Tanks	1972	108525
E	238m SE	Tanks	1984 - 1994	140375
E	239m SE	Tanks	1994	138533
5	239m NW	Unspecified Tank	1971 - 1994	127423
E	241m SE	Tanks	1984	141134
E	244m SE	Unspecified Tank	1984	114807
E	244m SE	Tanks	1984	137414
E	245m SE	Tanks	1972	153662
E	245m SE	Tanks	1971	109485
E	246m SE	Unspecified Tank	1972 - 1984	139451
E	246m SE	Tanks	1984	155799
E	247m SE	Tanks	1994	152060
E	249m SE	Unspecified Tank	1984	114802
E	251m SE	Tanks	1994	108517
E	252m SE	Unspecified Tank	1960 - 1962	137298
E	252m SE	Unspecified Tank	1972	152591
E	256m SE	Tanks	1972	133702
E	256m SE	Tanks	1984	130703
E	259m SE	Unspecified Tank	1984	117436



ID	Location	Land use	Dates present	Group ID
E	260m SE	Tanks	1994	133938
E	260m SE	Tanks	1972	149954
C	264m SW	Unspecified Tank	1994	114868
E	264m SE	Unspecified Tank	1984 - 1994	140234
C	265m SW	Tanks	1994	108573
C	267m SW	Tanks	1969 - 1971	133548
E	274m SE	Unspecified Tank	1984	117435
E	274m SE	Unspecified Tank	1994	117434
C	280m SW	Tanks	1994	108572
E	280m SE	Tanks	1994	109487
I	281m NW	Unspecified Tank	1971	114874
I	281m NW	Unspecified Tank	1971	114873
E	281m SE	Tanks	1984	108523
E	282m SE	Unspecified Tank	1984	147707
E	282m SE	Unspecified Tank	1994	153459
E	287m SE	Unspecified Tank	1984	114804
E	287m SE	Unspecified Tank	1984	114805
E	293m S	Tanks	1994	109491
E	294m SE	Unspecified Tank	1984	117437
E	297m SE	Unspecified Tank	1994	114801
E	297m SE	Unspecified Tank	1984	114806
E	299m SE	Tanks	1972 - 1984	152819
E	300m SE	Tanks	1971	137992
E	302m SE	Tanks	1972	108526
C	303m SW	Unspecified Tank	1969 - 1971	153245
K	315m S	Tanks	1971	135682
K	316m S	Tanks	1984	140248
K	316m S	Tanks	1962	152485



ID	Location	Land use	Dates present	Group ID
K	316m S	Unspecified Tank	1960	117429
K	316m S	Tanks	1972	143679
L	316m NW	Tanks	1971 - 1986	156243
K	321m S	Unspecified Tank	1960	117430
K	321m S	Tanks	1972	149798
E	323m SE	Tanks	1972	149643
E	324m SE	Tanks	1994	127974
L	324m NW	Tanks	1971 - 1986	150610
J	324m N	Unspecified Tank	1971	114809
L	324m W	Tanks	1971 - 1994	128033
K	326m S	Unspecified Tank	1960	117431
K	326m S	Tanks	1972	137760
E	331m SE	Tanks	1984	151596
E	331m SE	Tanks	1984	109492
K	331m S	Unspecified Tank	1960	117432
K	331m S	Tanks	1972	150014
E	332m SE	Tanks	1994	129944
E	333m SE	Unspecified Tank	1972 - 1984	149871
E	335m SE	Tanks	1994	134333
K	336m S	Unspecified Tank	1960	117433
K	336m S	Tanks	1972	138741
E	336m SE	Tanks	1984 - 1994	139450
E	340m SE	Tanks	1994	143148
E	340m SE	Tanks	1994	109490
E	341m SE	Tanks	1994	108522
K	341m S	Tanks	1972	148246
E	342m SE	Tanks	1994	109489
E	345m SE	Tanks	1994	149608



ID	Location	Land use	Dates present	Group ID
K	347m S	Tanks	1972	152346
E	347m SE	Tanks	1994	109488
O	352m E	Tanks	1984 - 1994	139216
O	355m E	Unspecified Tank	1994	141015
O	356m E	Unspecified Tank	1972	154366
E	356m SE	Tanks	1984	131240
E	357m SE	Unspecified Tank	1972 - 1994	145902
E	357m SE	Tanks	1994	133883
O	360m E	Unspecified Tank	1984	114803
E	361m SE	Tanks	1994	138236
P	363m SE	Unspecified Tank	1984 - 1994	150712
E	365m SE	Tanks	1984	129853
L	365m NW	Unspecified Tank	1986	136464
L	366m NW	Unspecified Tank	1971	138798
E	366m SE	Tanks	1994	151631
P	367m SE	Unspecified Tank	1984 - 1994	128933
E	369m SE	Tanks	1994	139823
Q	373m W	Unspecified Tank	1969 - 1971	148338
E	385m SE	Tanks	1984 - 1994	152260
P	385m SE	Unspecified Tank	1984 - 1994	128179
R	389m NW	Unspecified Tank	1962	137534
R	390m NW	Unspecified Tank	1962	143697
L	392m NW	Tanks	1971 - 1994	150744
R	393m NW	Unspecified Tank	1986	141535
R	394m NW	Unspecified Tank	1971	134253
R	395m NW	Unspecified Tank	1994	154048
7	396m N	Unspecified Tank	1984 - 1994	141485
Q	406m W	Unspecified Tank	1969 - 1971	153161



ID	Location	Land use	Dates present	Group ID
U	425m SW	Tanks	1971	147134
U	426m SW	Tanks	1969	126320
U	426m SW	Tanks	1994	128707
R	430m NW	Unspecified Tank	1971 - 1986	141717
M	432m N	Unspecified Tank	1994	114797
9	434m SW	Unspecified Tank	1969 - 1994	155170
R	441m NW	Unspecified Tank	1986	131344
11	442m S	Tanks	1972 - 1985	146593
R	442m NW	Unspecified Tank	1971	136693
R	443m NW	Unspecified Tank	1994	131537
R	443m NW	Tanks	1986	151226
R	443m NW	Tanks	1971	126556
R	444m NW	Tanks	1994	148913
M	446m N	Tanks	1971 - 1984	136521
M	446m N	Tanks	1962	137211
M	447m N	Tanks	1962	132489
R	448m NW	Tanks	1971	129499
M	456m N	Unspecified Tank	1971 - 1984	128132
12	467m NW	Unspecified Tank	1971 - 1994	137082
V	472m SW	Unspecified Tank	1969 - 1971	149126
V	474m SW	Unspecified Tank	1994	134616
W	478m W	Unspecified Tank	1986	146884
W	479m W	Unspecified Tank	1994	155837
W	479m W	Unspecified Tank	1971	126343
13	489m NW	Unspecified Tank	1971 - 1986	152659
V	489m SW	Tanks	1969 - 1971	148455

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

40

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

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
B	118m NW	Electricity Substation	1971 - 1994	85552
A	135m SW	Electricity Substation	1994	67745
1	153m NE	Electricity Substation	1994	67746
D	174m NE	Electricity Substation	1984 - 1994	71541
D	175m NE	Electricity Substation	1971	70502
A	183m S	Electricity Substation	1984 - 1994	75309
2	209m NW	Electricity Substation	1971	67749
4	228m W	Electricity Substation	1969 - 1971	86670
G	229m W	Electricity Substation	1994	84595
F	252m N	Electricity Substation	1971	84418
E	253m SE	Electricity Substation	1984 - 1994	80066
J	293m N	Electricity Substation	1992	76777
J	293m N	Electricity Substation	1984	86758
J	293m N	Electricity Substation	1971	79985
F	295m NE	Electricity Substation	1971	66230
J	296m N	Electricity Substation	1986	90405
F	302m N	Electricity Substation	1971	89202
G	310m W	Electricity Substation	1994	79273
E	315m S	Electricity Substation	1972	76322
E	315m S	Electricity Substation	1994	88585
E	319m S	Electricity Substation	1984	67753



ID	Location	Land use	Dates present	Group ID
J	325m N	Electricity Substation	1986	67750
6	339m NW	Electricity Substation	1971 - 1994	82541
N	346m N	Electricity Substation	1971 - 1992	70211
N	348m N	Electricity Substation	1994	91197
K	363m S	Electricity Substations	1999	68167
K	377m S	Electricity Substation	1972	67748
K	377m S	Electricity Substations	1985	68168
S	394m NE	Electricity Substation	1984 - 1992	84033
S	396m NE	Electricity Substation	1971	91147
S	397m NE	Electricity Substation	1994	78666
8	411m NE	Electricity Substation	1971 - 1994	87646
10	437m SE	Electricity Substation	1984 - 1994	84560
R	465m NW	Electricity Substation	1986 - 1994	70661
X	490m NW	Electricity Substation	1986	84026
Y	492m S	Electricity Substation	1994	67756
X	493m NW	Electricity Substation	1971	92077
X	493m NW	Electricity Substation	1994	74104
14	496m S	Electricity Substation	1972 - 1999	84449
Y	498m SW	Electricity Substation	1994	67755

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

1

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

Features are displayed on the Past land use map on [page 15 >](#)



ID	Location	Land use	Dates present	Group ID
C	163m SW	Petroleum Product Works	1969 - 1971	1671

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	0
----------------------------	----------

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

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m	1
----------------------------	----------

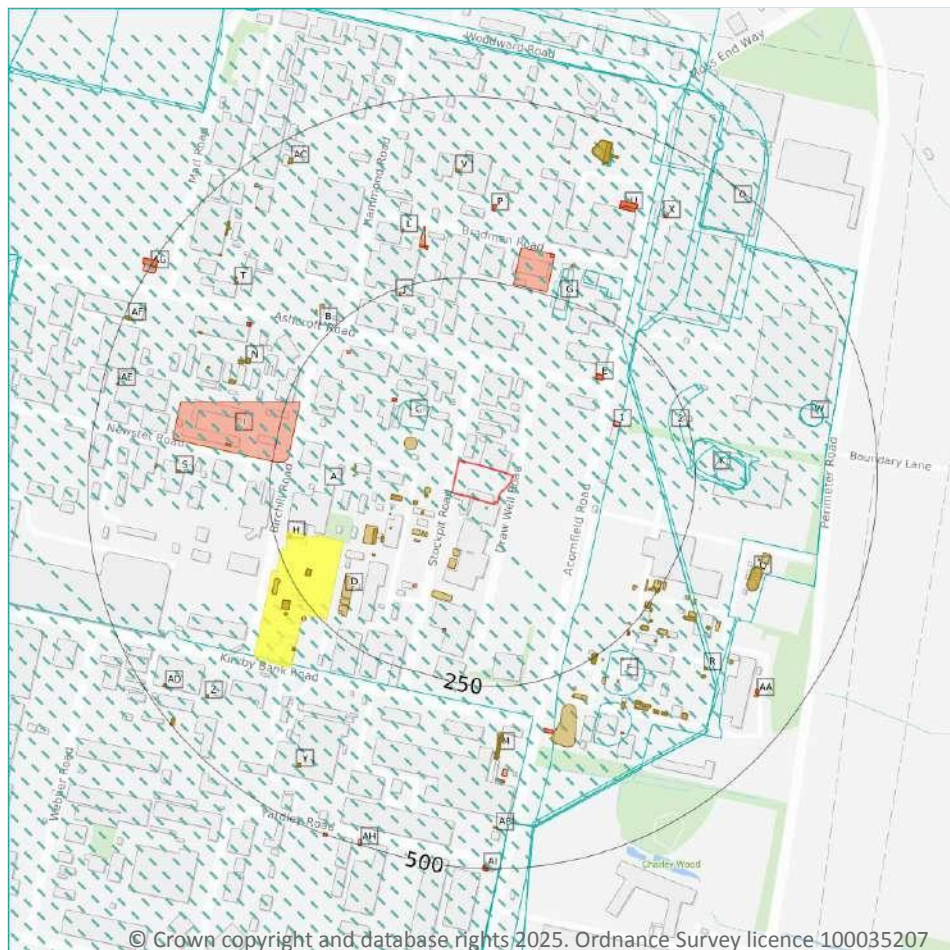
Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Site Name	Date of Operation	Activities
B	On site	ROF Kirkby	September 1940 - March 1946	Produced approximately 10% of WW2 ammunition; Approximately 23,000 employees; Filling Factory No.7

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

2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical petrol stations

2.1 Historical industrial land uses

Records within 500m

27

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

Features are displayed on the Past land use - un-grouped map on [page 26](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Industrial Estate	1966	918975
A	On site	Railway Sidings	1966	2405268
A	On site	Industrial Estate	1978	992608



ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Commercial/Industrial	1956	925687
A	On site	Industrial Estate	1988	955430
B	On site	Railway Sidings	1978	2405268
C	64m NW	Unspecified Heap	1966	843735
G	223m NE	Unspecified Heap	1978	843737
2	224m E	Unspecified Heap	1956	843738
K	244m E	Marl Pit	1928	968280
K	250m E	Marl Pit	1956	968696
K	250m E	Marl Pit	1907	984031
F	258m SE	Unspecified Heaps	1956	837902
G	276m NE	Unspecified Heaps	1978	837901
K	276m E	Unspecified Pit	1890	830662
F	312m SE	Unspecified Heaps	1956	837903
O	332m NE	Railway Sidings	1956	994428
Q	351m E	Unspecified Tank	1988	850947
Q	353m E	Unspecified Tank	1988	850948
W	402m E	Unspecified Heap	1966	905313
W	402m E	Unspecified Heap	1978	905313
W	402m E	Unspecified Heap	1988	971388
O	443m N	Unspecified Tanks	1966	884154
O	443m N	Unspecified Tanks	1978	884154
O	443m N	Unspecified Tanks	1988	909096
O	452m N	Unspecified Tank	1978	981654
O	452m N	Unspecified Tank	1988	974276

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m

206

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

Features are displayed on the Past land use - un-grouped map on [page 26 >](#)

ID	Location	Land Use	Date	Group ID
A	30m W	Tanks	1984	108457
A	33m W	Tanks	1984	108456
A	33m W	Unspecified Tank	1972	114808
A	46m SW	Unspecified Tank	1971	148163
A	47m SW	Unspecified Tank	1969	148163
A	48m W	Tanks	1971	146705
A	49m W	Tanks	1969	146705
C	61m NW	Unspecified Tank	1994	114798
A	64m SW	Tanks	1994	108425
A	66m SW	Tanks	1994	108511
A	67m SW	Tanks	1994	108518
A	68m W	Tanks	1971	153438
A	68m W	Tanks	1969	153438
A	73m S	Tanks	1994	108519
A	78m SW	Tanks	1994	108512
A	87m S	Tanks	1994	108520
A	88m W	Unspecified Tank	1962	137200
A	89m W	Unspecified Tank	1960	129890
A	96m SW	Unspecified Tank	1962	126357
A	96m SW	Unspecified Tank	1960	152053
A	110m SW	Unspecified Tank	1971	140634
A	111m SW	Unspecified Tank	1969	140634
A	113m SW	Tanks	1994	144026



ID	Location	Land Use	Date	Group ID
A	114m SW	Tanks	1971	128040
A	114m SW	Tanks	1969	128040
A	135m W	Unspecified Tank	1994	114799
A	136m SW	Unspecified Tank	1971	154461
A	136m SW	Unspecified Tank	1969	154461
A	136m W	Tanks	1994	108513
A	136m SW	Tanks	1994	108521
D	180m SW	Tanks	1994	108514
D	204m SW	Tanks	1994	108515
D	212m SW	Tanks	1994	108516
F	219m SE	Tanks	1972	108524
D	219m SW	Tanks	1971	129967
D	221m SW	Tanks	1969	129967
D	225m SW	Unspecified Tank	1994	114800
F	230m SE	Tanks	1972	108525
F	238m SE	Tanks	1984	140375
F	239m SE	Tanks	1994	138533
F	239m SE	Tanks	1994	140375
J	239m NW	Unspecified Tank	1971	127423
J	240m NW	Unspecified Tank	1986	127423
J	241m NW	Unspecified Tank	1994	127423
F	241m SE	Tanks	1984	141134
F	244m SE	Unspecified Tank	1984	114807
F	244m SE	Tanks	1984	137414
F	245m SE	Tanks	1972	153662
F	245m SE	Tanks	1971	109485
F	246m SE	Unspecified Tank	1984	139451
F	246m SE	Tanks	1984	155799

ID	Location	Land Use	Date	Group ID
F	246m SE	Unspecified Tank	1972	139451
F	247m SE	Tanks	1994	152060
F	249m SE	Unspecified Tank	1984	114802
F	251m SE	Tanks	1994	108517
F	252m SE	Unspecified Tank	1960	137298
F	252m SE	Unspecified Tank	1972	152591
F	253m SE	Unspecified Tank	1962	137298
F	256m SE	Tanks	1972	133702
F	256m SE	Tanks	1984	130703
F	259m SE	Unspecified Tank	1984	117436
F	260m SE	Tanks	1994	133938
F	260m SE	Tanks	1972	149954
D	264m SW	Unspecified Tank	1994	114868
F	264m SE	Unspecified Tank	1984	140234
F	265m SE	Unspecified Tank	1994	140234
D	265m SW	Tanks	1994	108573
D	267m SW	Tanks	1971	133548
D	268m SW	Tanks	1969	133548
F	274m SE	Unspecified Tank	1984	117435
F	274m SE	Unspecified Tank	1994	117434
D	280m SW	Tanks	1994	108572
F	280m SE	Tanks	1994	109487
B	281m NW	Unspecified Tank	1971	114874
B	281m NW	Unspecified Tank	1971	114873
F	281m SE	Tanks	1984	108523
F	282m SE	Unspecified Tank	1984	147707
F	282m SE	Unspecified Tank	1994	153459
F	287m SE	Unspecified Tank	1984	114804



ID	Location	Land Use	Date	Group ID
F	287m SE	Unspecified Tank	1984	114805
F	293m S	Tanks	1994	109491
F	294m SE	Unspecified Tank	1984	117437
F	297m SE	Unspecified Tank	1994	114801
F	297m SE	Unspecified Tank	1984	114806
F	299m SE	Tanks	1984	152819
F	300m SE	Tanks	1972	152819
F	300m SE	Tanks	1971	137992
F	302m SE	Tanks	1972	108526
D	303m SW	Unspecified Tank	1971	153245
D	304m SW	Unspecified Tank	1969	153245
M	315m S	Tanks	1971	135682
M	316m S	Tanks	1984	140248
M	316m S	Tanks	1962	152485
M	316m S	Unspecified Tank	1960	117429
M	316m S	Tanks	1972	143679
N	316m NW	Tanks	1986	156243
N	317m NW	Tanks	1971	156243
M	321m S	Unspecified Tank	1960	117430
M	321m S	Tanks	1972	149798
F	323m SE	Tanks	1972	149643
F	324m SE	Tanks	1994	127974
N	324m NW	Tanks	1986	150610
L	324m N	Unspecified Tank	1971	114809
N	324m W	Tanks	1986	128033
N	325m NW	Tanks	1971	150610
N	325m W	Tanks	1994	128033
N	325m W	Tanks	1971	128033



ID	Location	Land Use	Date	Group ID
M	326m S	Unspecified Tank	1960	117431
M	326m S	Tanks	1972	137760
F	331m SE	Tanks	1984	151596
F	331m SE	Tanks	1984	109492
M	331m S	Unspecified Tank	1960	117432
M	331m S	Tanks	1972	150014
F	332m SE	Tanks	1994	129944
F	333m SE	Unspecified Tank	1984	149871
F	335m SE	Unspecified Tank	1972	149871
F	335m SE	Tanks	1994	134333
M	336m S	Unspecified Tank	1960	117433
M	336m S	Tanks	1972	138741
F	336m SE	Tanks	1984	139450
F	338m SE	Tanks	1994	139450
F	340m SE	Tanks	1994	143148
F	340m SE	Tanks	1994	109490
F	341m SE	Tanks	1994	108522
M	341m S	Tanks	1972	148246
F	342m SE	Tanks	1994	109489
F	345m SE	Tanks	1994	149608
M	347m S	Tanks	1972	152346
F	347m SE	Tanks	1994	109488
Q	352m E	Tanks	1984	139216
Q	353m E	Tanks	1994	139216
Q	355m E	Unspecified Tank	1994	141015
Q	356m E	Unspecified Tank	1972	154366
F	356m SE	Tanks	1984	131240
F	357m SE	Unspecified Tank	1984	145902



ID	Location	Land Use	Date	Group ID
F	357m SE	Tanks	1994	133883
F	358m SE	Unspecified Tank	1972	145902
F	358m SE	Unspecified Tank	1994	145902
Q	360m E	Unspecified Tank	1984	114803
F	361m SE	Tanks	1994	138236
R	363m SE	Unspecified Tank	1994	150712
R	363m SE	Unspecified Tank	1984	150712
F	365m SE	Tanks	1984	129853
N	365m NW	Unspecified Tank	1986	136464
N	366m NW	Unspecified Tank	1971	138798
F	366m SE	Tanks	1994	151631
R	367m SE	Unspecified Tank	1984	128933
R	368m SE	Unspecified Tank	1994	128933
F	369m SE	Tanks	1994	139823
S	373m W	Unspecified Tank	1971	148338
S	373m W	Unspecified Tank	1969	148338
F	385m SE	Tanks	1984	152260
R	385m SE	Unspecified Tank	1984	128179
R	386m SE	Unspecified Tank	1994	128179
F	386m SE	Tanks	1994	152260
T	389m NW	Unspecified Tank	1962	137534
T	390m NW	Unspecified Tank	1962	143697
N	392m NW	Tanks	1986	150744
N	393m NW	Tanks	1971	150744
N	393m NW	Tanks	1994	150744
T	393m NW	Unspecified Tank	1986	141535
T	394m NW	Unspecified Tank	1971	134253
T	395m NW	Unspecified Tank	1994	154048



ID	Location	Land Use	Date	Group ID
V	396m N	Unspecified Tank	1994	141485
V	396m N	Unspecified Tank	1984	141485
V	396m N	Unspecified Tank	1992	141485
S	406m W	Unspecified Tank	1969	153161
S	406m W	Unspecified Tank	1971	153161
Y	425m SW	Tanks	1971	147134
Y	426m SW	Tanks	1969	126320
Y	426m SW	Tanks	1994	128707
Y	429m SW	Tanks	1994	128707
T	430m NW	Unspecified Tank	1986	141717
T	431m NW	Unspecified Tank	1971	141717
O	432m N	Unspecified Tank	1994	114797
Z	434m SW	Unspecified Tank	1994	155170
Z	434m SW	Unspecified Tank	1971	155170
Z	435m SW	Unspecified Tank	1969	155170
T	441m NW	Unspecified Tank	1986	131344
AB	442m S	Tanks	1972	146593
T	442m NW	Unspecified Tank	1971	136693
AB	442m S	Tanks	1985	146593
T	443m NW	Unspecified Tank	1994	131537
T	443m NW	Tanks	1986	151226
T	443m NW	Tanks	1971	126556
T	444m NW	Tanks	1994	148913
O	446m N	Tanks	1984	136521
O	446m N	Tanks	1962	137211
O	447m N	Tanks	1962	132489
O	447m N	Tanks	1971	136521
T	448m NW	Tanks	1971	129499



ID	Location	Land Use	Date	Group ID
O	456m N	Unspecified Tank	1984	128132
O	457m N	Unspecified Tank	1971	128132
AC	467m NW	Unspecified Tank	1986	137082
AC	467m NW	Unspecified Tank	1971	137082
AC	468m NW	Unspecified Tank	1994	137082
AD	472m SW	Unspecified Tank	1971	149126
AD	473m SW	Unspecified Tank	1969	149126
AD	474m SW	Unspecified Tank	1994	134616
AE	478m W	Unspecified Tank	1986	146884
AE	479m W	Unspecified Tank	1994	155837
AE	479m W	Unspecified Tank	1971	126343
AF	489m NW	Unspecified Tank	1986	152659
AD	489m SW	Tanks	1971	148455
AF	489m NW	Unspecified Tank	1971	152659
AD	492m SW	Tanks	1969	148455

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

60

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

Features are displayed on the Past land use - un-grouped map on [page 26 >](#)

ID	Location	Land Use	Date	Group ID
C	118m NW	Electricity Substation	1994	85552
C	118m NW	Electricity Substation	1971	85552
C	119m NW	Electricity Substation	1986	85552
A	135m SW	Electricity Substation	1994	67745
1	153m NE	Electricity Substation	1994	67746



ID	Location	Land Use	Date	Group ID
E	174m NE	Electricity Substation	1984	71541
E	174m NE	Electricity Substation	1992	71541
E	175m NE	Electricity Substation	1971	70502
E	175m NE	Electricity Substation	1994	71541
A	183m S	Electricity Substation	1994	75309
A	184m S	Electricity Substation	1984	75309
B	209m NW	Electricity Substation	1971	67749
H	228m W	Electricity Substation	1971	86670
H	228m W	Electricity Substation	1969	86670
I	229m W	Electricity Substation	1994	84595
G	252m N	Electricity Substation	1971	84418
F	253m SE	Electricity Substation	1984	80066
F	253m SE	Electricity Substation	1994	80066
L	293m N	Electricity Substation	1984	86758
L	293m N	Electricity Substation	1992	76777
L	293m N	Electricity Substation	1971	79985
L	295m N	Electricity Substation	1971	79985
G	295m NE	Electricity Substation	1971	66230
L	296m N	Electricity Substation	1986	90405
G	302m N	Electricity Substation	1971	89202
I	310m W	Electricity Substation	1994	79273
F	315m S	Electricity Substation	1972	76322
F	315m S	Electricity Substation	1994	88585
F	319m S	Electricity Substation	1984	67753
L	325m N	Electricity Substation	1986	67750
N	339m NW	Electricity Substation	1986	82541
N	340m NW	Electricity Substation	1971	82541
N	341m NW	Electricity Substation	1994	82541



ID	Location	Land Use	Date	Group ID
P	346m N	Electricity Substation	1984	70211
P	346m N	Electricity Substation	1992	70211
P	347m N	Electricity Substation	1971	70211
P	348m N	Electricity Substation	1994	91197
M	363m S	Electricity Substations	1999	68167
M	377m S	Electricity Substation	1972	67748
M	377m S	Electricity Substations	1985	68168
U	394m NE	Electricity Substation	1984	84033
U	394m NE	Electricity Substation	1992	84033
U	396m NE	Electricity Substation	1971	91147
U	397m NE	Electricity Substation	1994	78666
X	411m NE	Electricity Substation	1984	87646
X	411m NE	Electricity Substation	1992	87646
X	412m NE	Electricity Substation	1994	87646
X	412m NE	Electricity Substation	1971	87646
AA	437m SE	Electricity Substation	1984	84560
AA	438m SE	Electricity Substation	1994	84560
T	465m NW	Electricity Substation	1986	70661
T	466m NW	Electricity Substation	1994	70661
AG	490m NW	Electricity Substation	1986	84026
AH	492m S	Electricity Substation	1994	67756
AG	493m NW	Electricity Substation	1971	92077
AG	493m NW	Electricity Substation	1994	74104
AI	496m S	Electricity Substation	1999	84449
AI	498m S	Electricity Substation	1972	84449
AH	498m SW	Electricity Substation	1994	67755
AI	498m S	Electricity Substation	1985	84449

This data is sourced from Ordnance Survey / Groundsure.



2.4 Historical petrol stations

Records within 500m

2

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

Features are displayed on the Past land use - un-grouped map on [page 26 >](#)

ID	Location	Land Use	Date	Group ID
D	163m SW	Petroleum Product Works	1971	1671
D	163m SW	Petroleum Product Works	1969	1671

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

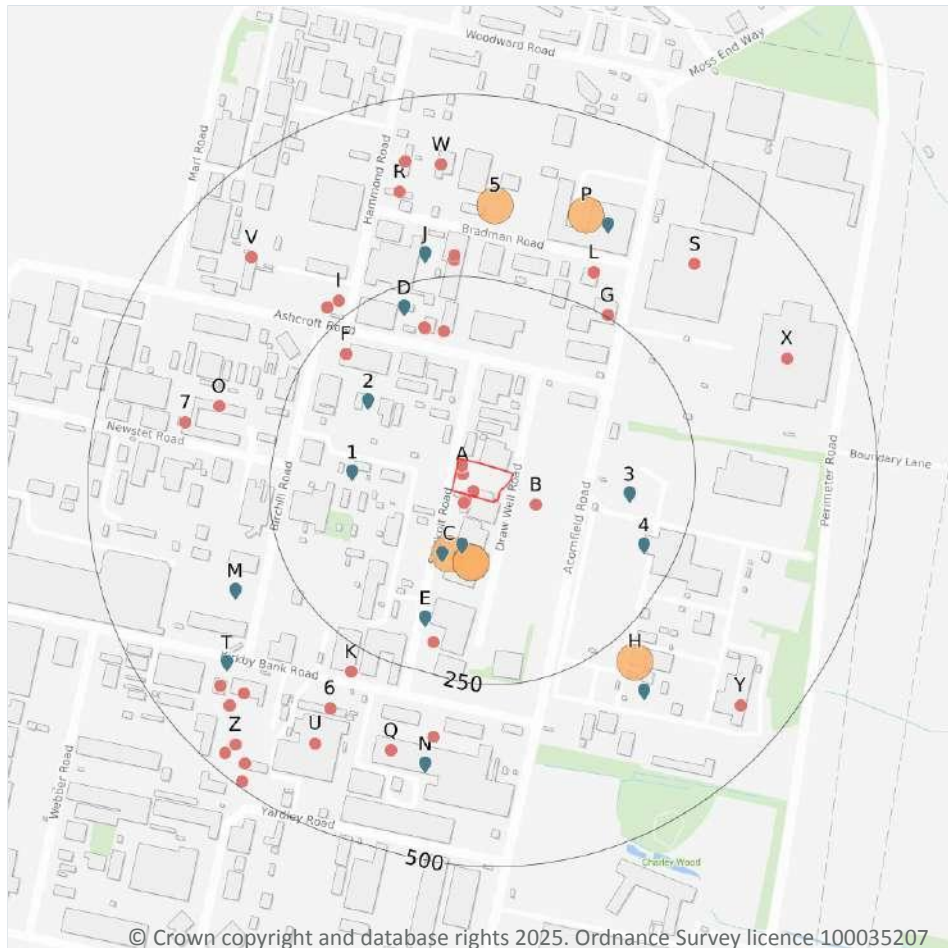
0

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

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

0

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

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

3.5 Historical waste sites

Records within 500m

6

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

Features are displayed on the Waste and landfill map on [page 39 >](#)

ID	Location	Address	Further Details	Date
C	61m SW	Site Address: Mulberry Waste Limited, Stockpit Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7TQ, N.WEST	Type of Site: Waste Treatment/Recycling & Waste Transfer Planning application reference: 22/00004/FUL Description: Scheme comprises construction of 1 building and use of the site for waste treatment, recycling and waste transfer along with associated site works. Data source: Historic Planning Application Data Type: Point	26/01/2022
C	63m S	Site Address: Magazine 9/7, Draw Well, Knowsley Industrial Park, Kirkby, LIVERPOOL, Merseyside, L33 7ZR	Type of Site: Waste Transfer (Conversion) Planning application reference: 02/00535/COU Description: Scheme comprises of conversion to transfer waste yard and recycling station, construction of pitched roof, installation of a 2.4 metre high fence and siting of a portable building. An application (ref: 02/00535/COU) for Detailed Planning permission was withdrawn from Knowsley B.C. on 14th August 2002. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-



ID	Location	Address	Further Details	Date
C	64m S	Site Address: Draw Well Road, 9 Draw Well, Road, Knowsley Industrial, Park, Knowsley, LIVERPOOL, Merseyside, L33 7BJ	Type of Site: Waste Transfer Station (Extension) Planning application reference: 98/00338 Description: Extension to provide a waste transfer station with fencing and access. An application (ref: 98/00338) for Detailed Planning permission was submitted to Knowsley B.C. on 1st July 1998. Data source: Historic Planning Application Data Type: Point	-
H	266m SE	Site Address: Future Industrial Services Lim, Acornfield Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7UF	Type of Site: Waste Treatment Facility (Extension) Planning application reference: 15/00509/FUL Description: Scheme comprises provision of additional capacity of waste treatment facility by way of the construction of additional covered storage area, replacing and increasing the volume of bulk liquid storage tanks, installation of hydro generation plant for the recovery of waste oil and the installation of a distillation plant and stack. The associated works include sewer systems, landscaping, infrastructure, enabling and access roads. Data source: Historic Planning Application Data Type: Point	18/04/2017
5	326m N	Site Address: Vacant Warehouse/Bradman House, Bradman Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7UR	Type of Site: Waste Treatment/Transfer Operation Facility Planning application reference: 13/00384/FUL Description: Scheme comprises change of use of vacant unit (use class B8) to form a healthcare waste treatment and transfer operation (use class sui generis) facilitating the treatment and temporary storage of waste prior to being transferred off-site for re-cycling together with external alteration to parts of external building & associated works. Data source: Historic Planning Application Data Type: Point	13/12/2013
P	343m N	Site Address: SRCL Limited, Acornfield Road/Bradman Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7UR, N.WEST	Type of Site: Waste Management Facility Planning application reference: 22/00295/SO Description: Scheme comprises screening opinion for the change of use, alterations and refurbishment to existing waste management facility. Data source: Historic Planning Application Data Type: Point	12/05/2022

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



3.6 Licensed waste sites

Records within 500m

27

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

Features are displayed on the Waste and landfill map on [page 39](#) >

ID	Location	Details		
C	70m S	Site Name: Knowsley Waste Facility EPR/ZP3439RM Site Address: Knowsley Waste Facility, Stockpit Road, Knowsley Industrial Park, Merseyside, L33 7TQ Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 653423 EPR reference: EA/EPR/ZP3439RM Operator: Mulberry Waste Limited Waste Management licence No: 54241 Annual Tonnage: 150000	Issue Date: 22/11/2016 Effective Date: 22/11/2016 Modified: 24/01/2024 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
C	89m SW	Site Name: Waste Oils Ltd Site Address: Knowsley Industrial Estate, Stockpit Road, Knowsley, Merseyside, L33 7TQ Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: OSS010 EPR reference: EA/EPR/HP3693VC/T001 Operator: O S S Group Ltd Waste Management licence No: 54241 Annual Tonnage: 73000	Issue Date: 31/01/1990 Effective Date: 16/06/2010 Modified: 06/09/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
1	139m W	Site Name: Avanti Treatment And Transfer Centre Site Address: Avanti Treatment And Transfer Centre, Charleywood Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7SG Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 630342 EPR reference: EA/EPR/NP3494EQ Operator: Avanti Environmental Group Limited Waste Management licence No: 54249 Annual Tonnage: 24150	Issue Date: 21/09/1990 Effective Date: 21/09/1990 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired



ID	Location	Details		
2	147m NW	Site Name: Unit 9 Lodge Works Site Address: Kirkby Skips Limited, Birchill Road, Kirkby Industrial Estate, Liverpool, Merseyside, L33 7TD Correspondence Address: -	Type of Site: 75kte HCI Waste TS Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 627250 EPR reference: EA/EPR/WE8737AB Operator: Lh Waste Removal And Grab Hire Ltd Waste Management licence No: 120748 Annual Tonnage: 0	Issue Date: 23/06/2023 Effective Date: 23/06/2023 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
3	162m E	Site Name: Acornfield Road Waste Management Centre EPR/VP3936UG Site Address: Acornfield Road Waste Management Centre, Acornfield Road, Knowsley Industrial Park, Merseyside, L33 7UF Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 653231 EPR reference: EA/EPR/VP3936UG Operator: Future Industrial Services Limited Waste Management licence No: 101607 Annual Tonnage: 24999	Issue Date: 26/10/2015 Effective Date: 26/10/2015 Modified: 05/06/2023 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	180m S	Site Name: Knowsley Waste Facility Site Address: Stockpit Road, Knowsley Industrial Park, Knowsley, Merseyside, L33 7TQ Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HYD031 EPR reference: EA/EPR/ZP3439RM/T001 Operator: Mulberry Waste Ltd Waste Management licence No: 54241 Annual Tonnage: 2499	Issue Date: 31/01/1990 Effective Date: 30/09/2015 Modified: 17/04/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
E	180m S	Site Name: Waste Oils Ltd Site Address: Knowsley Industrial Estate, Stockpit Road, Knowsley, Merseyside, L33 7TQ Correspondence Address: Knowsley Industrial Estate, Stockpit Road, Knowsley, Merseyside, L33 7TQ	Type of Site: Special Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS003 EPR reference: - Operator: Waste Oils Ltd Waste Management licence No: 54241 Annual Tonnage: 3087	Issue Date: 31/01/1990 Effective Date: - Modified: 02/03/2000 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
E	180m S	Site Name: Knowsley Waste Facility Site Address: Knowsley Waste Facility, Stockpit Road, Knowsley Industrial Park, Knowsley, Merseyside, L33 7TQ Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HYD031 EPR reference: EA/EPR/SP3130EK/V005 Operator: Hydrotec (U K) Limited Waste Management licence No: 54241 Annual Tonnage: 2499	Issue Date: 31/01/1990 Effective Date: 08/10/2013 Modified: 17/04/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	180m S	Site Name: Knowsley Waste Facility Site Address: Knowsley Waste Facility, Stockpit Road, Knowsley Industrial Park, Knowsley, Merseyside, L33 7TQ Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MUL024 EPR reference: EA/EPR/ZP3439RM/V003 Operator: Mulberry Waste Limited Waste Management licence No: 54241 Annual Tonnage: 150000	Issue Date: 31/01/1990 Effective Date: 29/09/2015 Modified: 22/11/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	180m S	Site Name: Knowsley Waste Facility Site Address: Knowsley Waste Facility, Stockpit Road, Knowsley Industrial Park, Knowsley, Merseyside, L33 7TQ Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MUL024 EPR reference: EA/EPR/ZP3439RM/V003 Operator: Mulberry Waste Limited Waste Management licence No: 54241 Annual Tonnage: 150000	Issue Date: 31/01/1990 Effective Date: 29/09/2015 Modified: 22/11/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
4	203m E	Site Name: Kodak Ltd Site Address: Acornfield Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7UF Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 655390 EPR reference: EA/EPR/EP3697CJ Operator: Kodak Limited Waste Management licence No: 54332 Annual Tonnage: 4960	Issue Date: 29/06/2001 Effective Date: 29/06/2001 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired



ID	Location	Details		
D	219m NW	Site Name: Unit 1 Prestige Complex Site Address: Aschroft Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TW Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TRI031 EPR reference: EA/EPR/BB3906SS/A001 Operator: Triton (North West) Limited Waste Management licence No: 401692 Annual Tonnage: 4999	Issue Date: 18/09/2014 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	219m NW	Site Name: Unit 1 Prestige Complex Site Address: Aschroft Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TW Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 628084 EPR reference: EA/EPR/BB3906SS Operator: Triton (North West) Limited Waste Management licence No: 401692 Annual Tonnage: 4999	Issue Date: 18/09/2014 Effective Date: 18/09/2014 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
J	284m N	Site Name: Rentokil, Bradman Road Site Address: Knowsley Industrial Park North, Bradman Road, Knowsley, Merseyside, L33 7UR Correspondence Address: Rentokil Initial Corporate Head Office, Felcourt, East Grinstead, West Sussex, RH19 2JY	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REN001 EPR reference: - Operator: Rentokil Ltd Waste Management licence No: 54261 Annual Tonnage: 5000	Issue Date: 09/10/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
J	284m N	Site Name: Rentokil, Bradman Road Site Address: Knowsley Industrial Park North, Bradman Road, Knowsley, Merseyside, L33 7UR Correspondence Address: Felcourt, East Grinstead, West Sussex, RH1 2JY	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REN001 EPR reference: - Operator: Rentokil Group Plc Waste Management licence No: 54261 Annual Tonnage: 0	Issue Date: 09/10/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
J	284m N	Site Name: Rentokil Initial U K Ltd Site Address: Rentokil Initial U K Ltd, Bradman Road, Knowsley Ind Park, Liverpool, Merseyside, L33 7UR Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 643907 EPR reference: EA/EPR/TP3997CR Operator: Rentokil Initial 1927 Plc Waste Management licence No: 54261 Annual Tonnage: 0	Issue Date: 09/10/1992 Effective Date: 09/10/1992 Modified: - Surrendered Date: 09/10/1992 Expiry Date: - Cancelled Date: - Status: Surrendered
M	328m SW	Site Name: Kirkby Skips Limited Site Address: Kirkby Skips Limited, Birchill Road, Kirkby Industrial Estate, Liverpool, Merseyside, L33 7TD Correspondence Address: -	Type of Site: Inert & excavation Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR064 EPR reference: EA/EPR/CB3409XM/A001 Operator: Kirkby Skips Limited Waste Management licence No: 402074 Annual Tonnage: 74999	Issue Date: 04/03/2015 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
M	328m SW	Site Name: Kirkby Skips Limited Site Address: Kirkby Skips Limited, Birchill Road, Kirkby Industrial Estate, Liverpool, Merseyside, L33 7TD Correspondence Address: -	Type of Site: Inert & excavation Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 631655 EPR reference: EA/EPR/CB3409XM Operator: Kirkby Skips Limited Waste Management licence No: 402074 Annual Tonnage: 74999	Issue Date: 04/03/2015 Effective Date: 04/03/2015 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
H	330m SE	Site Name: Minerals Resource Management Ltd Kirkby Site Address: The Image Business Park, Acornfield Road, Knowlsey Ind Est, Liverpool, Merseyside, L33 7UF Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MRM019 EPR reference: EA/EPR/CP3690LE/A001 Operator: Minerals Resource Management Ltd Waste Management licence No: 100668 Annual Tonnage: 87999	Issue Date: 09/04/2009 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
H	330m SE	Site Name: Minerals Resource Management Site Address: The Image Business Park, Acornfield Road, Knowlsey Ind Est, Liverpool, Merseyside, L33 7UF Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MRM019 EPR reference: EA/EPR/CP3690LE/V002 Operator: Minerals Resource Management Ltd Waste Management licence No: 100668 Annual Tonnage: 140000	Issue Date: 09/04/2009 Effective Date: - Modified: 21/11/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
H	330m SE	Site Name: Minerals Resource Management Site Address: The Image Business Park, Acornfield Road, Knowlsey Ind Est, Liverpool, Merseyside, L33 7UF Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MRM019 EPR reference: EA/EPR/CP3690LE/V Operator: Tradebe Minerals Recycling Limited Waste Management licence No: 100668 Annual Tonnage: 140000	Issue Date: 09/04/2009 Effective Date: - Modified: 13/02/2015 Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Modified
H	330m SE	Site Name: Minerals Resource Management EPR/CP3690LE Site Address: Image Business Park, Acornfield Road, Knowlsey Industrial Park, Merseyside, L33 7UF Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 655826 EPR reference: EA/EPR/CP3690LE Operator: Tradebe Minerals Recycling Limited Waste Management licence No: 100668 Annual Tonnage: 140000	Issue Date: 16/02/2015 Effective Date: 16/02/2015 Modified: 16/02/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
P	364m NE	Site Name: SRCL Knowlsey Treatment and Transfer Station Site Address: SRCL Knowlsey Treatment and Transfer Station, Bradman Road, Knowlsey Industrial Park, Merseyside, L33 7UR Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 649954 EPR reference: EA/EPR/KP3436NL Operator: Srcl Limited Waste Management licence No: 400611 Annual Tonnage: 8760	Issue Date: 04/10/2022 Effective Date: 13/10/2022 Modified: 22/12/2023 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
N	372m S	Site Name: Neston Tank Cleaners Site Address: Knowsley Industrial Park North, Charleywood Road, Knowsley, Liverpool, Merseyside, L33 7SG Correspondence Address: Knowsley Industrial Park North, Charleywood Road, Knowsley, Liverpool, Merseyside, L33 7SG	Type of Site: - Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FOU006 EPR reference: - Operator: Fourway Management Ltd Waste Management licence No: 54487 Annual Tonnage: 0	Issue Date: 31/07/2006 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: IPPC
N	372m S	Site Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Site Address: Knowsley Industrial Park North, Charleywood Road, Knowsley Industrial Park, Knowsley, Merseyside, L33 7SG Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 659916 EPR reference: EA/EPR/XP3038HX Operator: Avanti Environmental Group Limited Waste Management licence No: 100341 Annual Tonnage: 15000	Issue Date: 23/11/2018 Effective Date: 23/11/2018 Modified: 23/11/2018 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
N	372m S	Site Name: Neston Tank Cleaners Site Address: Knowsley Industrial Park North, Charleywood Road, Knowsley, Liverpool, Merseyside, L33 7SG Correspondence Address: -	Type of Site: Co-Disposal Landfill Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 657610 EPR reference: EA/EPR/LP3593ZA Operator: Fourway Management Limited Waste Management licence No: 54487 Annual Tonnage: 1	Issue Date: 31/07/2006 Effective Date: 31/07/2006 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
T	389m SW	Site Name: Kirkby Skips Site Address: Unit 10 Orchard Works, Kirkby Bank Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7SY Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 657232 EPR reference: EA/EPR/EB3608TM Operator: Kirkby Skips Limited Waste Management licence No: 54250 Annual Tonnage: 74999	Issue Date: 30/04/1991 Effective Date: 30/04/1991 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



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

3.7 Waste exemptions

Records within 500m	170
---------------------	-----

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

Features are displayed on the Waste and landfill map on [page 39 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	-	WEX367140	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
A	On site	-	WEX367140	Using waste exemption	Not on a farm	Use of waste in construction
A	On site	-	WEX367140	Using waste exemption	Not on a farm	Use of waste for a specified purpose
A	On site	-	WEX367140	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
A	On site	-	WEX367140	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
A	On site	-	WEX367140	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	On site	-	WEX367140	Treating waste exemption	Not on a farm	Screening and blending of waste
A	On site	-	WEX367140	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	On site	-	WEX367140	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	On site	-	WEX367140	Treating waste exemption	Not on a farm	Sorting mixed waste
A	On site	-	WEX367140	Treating waste exemption	Not on a farm	Manual treatment of waste
A	On site	-	WEX367140	Treating waste exemption	Not on a farm	Crushing and emptying waste vehicle oil filters
A	On site	-	WEX367140	Treating waste exemption	Not on a farm	Treatment of waste aerosol cans



ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	-	WEX367140	Treating waste exemption	Not on a farm	Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling
A	On site	-	WEX367140	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
A	On site	-	WEX367140	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	On site	-	WEX367140	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	On site	-	WEX367140	Storing waste exemption	Not on a farm	Storage of sludge
A	On site	Stockpit Road, Knowsley Industrial Park, Liverpool, L33 7tq	WEX404547	Treating waste exemption	Not on a farm	Manual treatment of waste
A	On site	Stockpit Road, Knowsley Industrial Park, Liverpool, L33 7tq	WEX404547	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
A	On site	Stockpit Road, Knowsley Industrial Park, Liverpool, L33 7tq	WEX404547	Treating waste exemption	Not on a farm	Sorting mixed waste
A	On site	Stockpit Road, Knowsley Industrial Park, Liverpool, L33 7tq	WEX404547	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	On site	Stockpit Road, Knowsley Industrial Park, Liverpool, L33 7tq	WEX404547	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	On site	Stockpit Road, Knowsley Industrial Park, Liverpool, L33 7tq	WEX404547	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	On site	Phoenix House Stockpit Road Liverpool Knowsley L33 7tq	EPR/SF0507E M/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
A	On site	Phoenix House Stockpit Road Liverpool Knowsley L33 7tq	EPR/SF0507E M/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	Phoenix House Stockpit Road Liverpool Knowsley L33 7tq	EPR/SF0507E M/A001	Treating waste exemption	Non-agricultural waste only	Cleaning, washing, spraying or coating relevant waste
A	On site	Phoenix House Stockpit Road Liverpool Knowsley L33 7tq	EPR/SF0507E M/A001	Treating waste exemption	Non-agricultural waste only	Recovery of textiles
A	On site	Phoenix House Stockpit Road Liverpool Knowsley L33 7tq	EPR/SF0507E M/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
A	On site	Phoenix House Stockpit Road Liverpool Knowsley L33 7tq	EPR/SF0507E M/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	On site	Phoenix House Stockpit Road Liverpool Knowsley L33 7tq	EPR/SF0507E M/A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction
A	On site	Phoenix House Stockpit Road Liverpool Knowsley L33 7tq	EPR/SF0507E M/A001	Using waste exemption	Non-agricultural waste only	Burning of waste as a fuel in a small appliance
A	On site	Phoenix House Stockpit Road Liverpool Knowsley L33 7tq	EPR/SF0507E M/A001	Treating waste exemption	Non-agricultural waste only	Sorting mixed waste
A	On site	Phoenix House Stockpit Road Liverpool Knowsley L33 7tq	EPR/SF0507E M/A001	Treating waste exemption	Non-agricultural waste only	Manual treatment of waste
A	On site	Phoenix House Stockpit Road Liverpool Knowsley L33 7tq	EPR/SF0507E M/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
A	8m SW	Stockpit Road Knowsley Industrial Park Liverpool Merseyside L33 7tq	EPR/WF0105L L/A001	Using waste exemption	Non-agricultural waste only	Burning of waste as a fuel in a small appliance
A	8m SW	Stockpit Road Knowsley Industrial Park Liverpool Merseyside L33 7tq	EPR/GF0037W L/A001	Disposing of waste exemption	Non-agricultural waste only	Burning waste in the open



ID	Location	Site	Reference	Category	Sub-Category	Description
A	8m SW	-	WEX389486	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
A	8m SW	-	WEX295382	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	8m SW	-	WEX295382	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	8m SW	-	WEX295382	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	8m SW	Factory	WEX261080	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
A	13m SW	Stockpit Road, Knowsley Industrial Park, Liverpool, L33 7tq	WEX288560	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	13m SW	Stockpit Road, Knowsley Industrial Park, Liverpool, L33 7tq	WEX417782	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	13m SW	Stockpit Road, Knowsley Industrial Park, Liverpool, L33 7tq	WEX149316	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	48m SE	-	WEX276482	Using waste exemption	Not on a farm	Use of waste in construction
B	48m SE	-	WEX276482	Treating waste exemption	Not on a farm	Screening and blending of waste
D	175m N	Pride Point, Knowsley Business Park, Unit 1 Ashcroft Road, Kirkby, L33 7tw	EA/EPR/VP394 4CH/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
D	184m N	Able Clearance Recycling, Ashcroft Road, Knowlsey Industrial Estate, Kirkby, L337tw	WEX082476	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	184m N	Able Clearance Recycling, Ashcroft Road, Knowlsey Industrial Estate, Kirkby, L337tw	WEX082476	Treating waste exemption	Not on a farm	Sorting mixed waste
D	184m N	Able Clearance Recycling, Ashcroft Road, Knowlsey Industrial Estate, Kirkby, L337tw	WEX082476	Treating waste exemption	Not on a farm	Manual treatment of waste



ID	Location	Site	Reference	Category	Sub-Category	Description
D	184m N	Able Clearance Recycling, Ashcroft Road, Knowlsey Industrial Estate, Kirkby, L337tw	WEX082476	Treating waste exemption	Not on a farm	Recovery of scrap metal
D	186m N	Unit 1 2 Ashcroft Road L33 7tw	EPR/NH0811A A/A001	Treating waste exemption	Non-agricultural waste only	Mechanical treatment of end-of-life tyres
E	208m S	Stockpit Road, Knowsley Industrial Park, Liverpool, L33 7tq	WEX116465	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
F	211m NW	-	WEX299537	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	211m NW	-	WEX299537	Disposing of waste exemption	Not on a farm	Burning waste in the open
F	211m NW	-	WEX299537	Treating waste exemption	Not on a farm	Recovery of scrap metal
F	211m NW	-	WEX299537	Treating waste exemption	Not on a farm	Sorting mixed waste
G	252m NE	Security House, Step Up Security Services Ltd, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7pa	WEX102906	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
G	252m NE	Security House, Step Up Security Services Ltd, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7pa	WEX244831	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
I	272m NW	Drawell House Hammond Road Liverpool Merseyside L33 7ul	EPR/CH0079X C/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
I	272m NW	Drawell House Hammond Road Liverpool Merseyside L33 7ul	EPR/CH0079X C/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
I	272m NW	Drawell House Hammond Road Liverpool Merseyside L33 7ul	EPR/CH0079X C/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
I	272m NW	Drawell House Hammond Road Liverpool Merseyside L33 7ul	EPR/CH0079X C/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
J	272m N	Unit 1 Bradman House, Bradman Road, Kirkby Industrial Estate, Merseyside, L33 7ur	WEX125264	Treating waste exemption	Not on a farm	Sorting mixed waste
J	273m N	Unit 1 Bradman House Bradman Road Kirkby Merseyside L33 7ur	EPR/MF0807X Q/A001	Treating waste exemption	Non-agricultural waste only	Sorting mixed waste
I	275m NW	-	WEX314340	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	275m NW	-	WEX314340	Storing waste exemption	Not on a farm	Storage of waste in secure containers
I	275m NW	-	WEX314340	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	275m NW	-	WEX314340	Treating waste exemption	Not on a farm	Recovery of scrap metal
I	275m NW	Hammond Road, Knowsley Industrial Park, Liverpool, L33 7ul	WEX185888	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	275m NW	Hammond Road, Knowsley Industrial Park, Liverpool, L33 7ul	WEX185888	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	275m NW	Hammond Road, Knowsley Industrial Park, Liverpool, L33 7ul	WEX185888	Storing waste exemption	Not on a farm	Storage of waste in secure containers
I	275m NW	Hammond Road, Knowsley Industrial Park, Liverpool, L33 7ul	WEX185888	Treating waste exemption	Not on a farm	Recovery of scrap metal
I	275m NW	Hammond Road, Knowsley Industrial Park, Liverpool, L33 7ul	WEX021667	Treating waste exemption	Not on a farm	Recovery of scrap metal
I	275m NW	Hammond Road, Knowsley Industrial Park, Liverpool, L33 7ul	WEX021667	Storing waste exemption	Not on a farm	Storage of waste in secure containers
I	275m NW	Hammond Road, Knowsley Industrial Park, Liverpool, L33 7ul	WEX021667	Storing waste exemption	Not on a farm	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
I	275m NW	Hammond Road, Knowsley Industrial Park, Liverpool, L33 7ul	WEX021667	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
J	278m N	Unit 1, Bradman Road, Kirkby Industrial Estate, Knowsley, L33 7ur	WEX287646	Treating waste exemption	Not on a farm	Sorting mixed waste
J	278m N	Unit 1, Bradman Road, Kirkby Industrial Estate, Knowsley, L33 7ur	WEX416822	Treating waste exemption	Not on a farm	Sorting mixed waste
K	285m SW	-	WEX391132	Using waste exemption	Not on a farm	Use of waste in construction
K	285m SW	-	WEX391132	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
K	285m SW	-	WEX391132	Treating waste exemption	Not on a farm	Recovery of textiles
K	285m SW	-	WEX391132	Treating waste exemption	Not on a farm	Recovery of scrap metal
K	285m SW	-	WEX391132	Treating waste exemption	Not on a farm	Sorting mixed waste
K	285m SW	-	WEX391132	Treating waste exemption	Not on a farm	Manual treatment of waste
K	285m SW	-	WEX391132	Disposing of waste exemption	Not on a farm	Burning waste in the open
K	285m SW	-	WEX391132	Storing waste exemption	Not on a farm	Storage of waste in secure containers
K	285m SW	-	WEX391132	Storing waste exemption	Not on a farm	Storage of waste in a secure place
L	297m NE	Unit 3, Bradman Road, Knowsley Industrial Park, Liverpool, L33 7ur	WEX087988	Storing waste exemption	Not on a farm	Storage of waste in a secure place
L	297m NE	Unit 3, Bradman Road, Knowsley Industrial Park, Liverpool, L33 7ur	WEX087988	Treating waste exemption	Not on a farm	Recovery of scrap metal
L	297m NE	Unit 3, Bradman Road, Knowsley Industrial Park, Liverpool, L33 7ur	WEX087988	Using waste exemption	Not on a farm	Use of depolluted end-of-life vehicles for vehicle parts



ID	Location	Site	Reference	Category	Sub-Category	Description
N	334m S	Kirkby Skips Ltd, Kirkby Bank Road, Liverpool, L33 7sy	WEX354807	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
N	334m S	Kirkby Skips Ltd, Kirkby Bank Road, Liverpool, L33 7sy	WEX354808	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX124735	Storing waste exemption	Not on a farm	Storage of waste in secure containers
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX124740	Storing waste exemption	Not on a farm	Storage of waste in secure containers
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX124735	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX124740	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX124740	Using waste exemption	Not on a farm	Use of waste in construction
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX124740	Using waste exemption	Not on a farm	Use of effluent to clean a highway gravel bed
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX115894	Storing waste exemption	Not on a farm	Storage of waste in secure containers
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX115899	Storing waste exemption	Not on a farm	Storage of waste in secure containers
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX115894	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX115899	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX115899	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising



ID	Location	Site	Reference	Category	Sub-Category	Description
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX115894	Using waste exemption	Not on a farm	Use of waste in construction
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX115899	Using waste exemption	Not on a farm	Use of waste in construction
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX115899	Using waste exemption	Not on a farm	Spreading waste on non-agricultural land to confer benefit
O	337m W	Unit 9, Newstet Road, Knowsley Industrial Park, Liverpool, L33 7tj	WEX115899	Using waste exemption	Not on a farm	Use of waste for a specified purpose
6	343m SW	Colloids Ltd Kirkby Bank Road Liverpool Merseyside L33 7sy	EPR/NF0733EJ /A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
Q	367m S	Kirkby Skips Ltd, Kirkby Bank Road, Liverpool, L33 7sy	WEX233884	Storing waste exemption	Not on a farm	Storage of waste in a secure place
Q	367m S	Kirkby Skips Ltd, Kirkby Bank Road, Liverpool, L33 7sy	WEX233885	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
R	374m N	. Hammond Road Liverpool L33 7ul	EPR/HF0734ZE /A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
7	377m W	Unit 1 Newstet Road Liverpool L33 7tj	EPR/RF0002KZ /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
S	380m NE	Knowsley Depot, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7rn	WEX086093	Storing waste exemption	Not on a farm	Storage of waste in secure containers
S	380m NE	Knowsley Depot, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7rn	WEX086093	Storing waste exemption	Not on a farm	Storage of waste in a secure place
S	380m NE	Knowsley Depot, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7rn	WEX086093	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)



ID	Location	Site	Reference	Category	Sub-Category	Description
S	380m NE	Knowsley Depot, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7rn	WEX086093	Treating waste exemption	Not on a farm	Sorting mixed waste
S	380m NE	Knowsley Depot, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7rn	WEX086093	Treating waste exemption	Not on a farm	Recovery of scrap metal
S	380m NE	Knowsley Depot, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7rn	WEX088251	Storing waste exemption	Not on a farm	Storage of waste in secure containers
S	380m NE	Knowsley Depot, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7rn	WEX088251	Storing waste exemption	Not on a farm	Storage of waste in a secure place
S	380m NE	Knowsley Depot, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7rn	WEX088251	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
S	380m NE	Knowsley Depot, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7rn	WEX088251	Treating waste exemption	Not on a farm	Sorting mixed waste
S	380m NE	Knowsley Depot, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7rn	WEX088251	Treating waste exemption	Not on a farm	Recovery of scrap metal
S	380m NE	Knowsley Depot Acornfield Road Liverpool L33 7rn	EPR/TF0537EK /A001	Storing waste exemption	Non- agricultural waste only	Storage of waste in secure containers
S	380m NE	Knowsley Depot Acornfield Road Liverpool L33 7rn	EPR/TF0537EK /A001	Storing waste exemption	Non- agricultural waste only	Storage of waste in a secure place
S	380m NE	Knowsley Depot Acornfield Road Liverpool L33 7rn	EPR/TF0537EK /A001	Treating waste exemption	Non- agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
S	380m NE	Knowsley Depot Acornfield Road Liverpool L33 7rn	EPR/TF0537EK /A001	Treating waste exemption	Non- agricultural waste only	Sorting mixed waste



ID	Location	Site	Reference	Category	Sub-Category	Description
S	380m NE	Knowsley Depot Acornfield Road Liverpool L33 7rn	EPR/TF0537EK /A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
U	395m SW	Kirkby Bank Road, Knowsley Industrial Park, Liverpool, L33 7sy	WEX351558	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
U	395m SW	Kirkby Bank Road, Knowsley Industrial Park, Liverpool, L33 7sy	WEX079821	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
U	395m SW	Kirkby Skips Ltd, Kirkby Bank Road, Liverpool, L33 7sy	WEX090229	Storing waste exemption	Not on a farm	Storage of waste in a secure place
U	395m SW	Kirkby Skips Ltd, Kirkby Bank Road, Liverpool, L33 7sy	WEX090233	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
U	395m SW	Kirkby Bank Road, Knowsley Industrial Park, Liverpool, L33 7sy	WEX226087	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
V	396m NW	-	WEX415569	Storing waste exemption	Not on a farm	Storage of waste in a secure place
V	396m NW	-	WEX415569	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
T	400m SW	Webber Rd (Former Alta Gas), Webber Road, Liverpool, L33 7sy	WEX128845	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
T	400m SW	Webber Rd (Former Alta Gas), Webber Road, Liverpool, L33 7sy	WEX128845	Treating waste exemption	Not on a farm	Recovery of scrap metal
W	404m N	. Hammond Road Liverpool L33 7ul	EPR/TE5258A U/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
W	404m N	. Hammond Road Liverpool L33 7ul	EPR/TE5258A U/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
W	404m N	. Hammond Road Liverpool L33 7ul	EPR/TE5258A U/A001	Treating waste exemption	Non-agricultural waste only	Sorting mixed waste
W	404m N	. Hammond Road Liverpool L33 7ul	EPR/TE5258A U/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal



ID	Location	Site	Reference	Category	Sub-Category	Description
X	407m E	-	WEX348935	Treating waste exemption	Not on a farm	Sorting mixed waste
X	407m E	-	WEX348935	Storing waste exemption	Not on a farm	Storage of waste in a secure place
X	407m E	-	WEX348935	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
R	414m N	Drawell House, Hammond Road, Knowsley Industrial Park, Liverpool, L33 7ul	WEX099972	Treating waste exemption	Not on a farm	Recovery of scrap metal
R	414m N	Drawell House, Hammond Road, Knowsley Industrial Park, Liverpool, L33 7ul	WEX099972	Storing waste exemption	Not on a farm	Storage of waste in a secure place
R	414m N	Drawell House, Hammond Road, Knowsley Industrial Park, Liverpool, L33 7ul	WEX099972	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
R	414m N	Drawell House, Hammond Road, Knowsley Industrial Park, Liverpool, L33 7ul	WEX099972	Storing waste exemption	Not on a farm	Storage of waste in secure containers
T	416m SW	Clarence House, Kirkby Bank Road, Knowsley Industrial Park, Liverpool, L33 7sy	WEX128821	Storing waste exemption	Not on a farm	Storage of waste in secure containers
T	416m SW	Clarence House, Kirkby Bank Road, Knowsley Industrial Park, Liverpool, L33 7sy	WEX128821	Storing waste exemption	Not on a farm	Storage of waste in a secure place
T	416m SW	Clarence House, Kirkby Bank Road, Knowsley Industrial Park, Liverpool, L33 7sy	WEX128821	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
T	416m SW	Clarence House, Kirkby Bank Road, Knowsley Industrial Park, Liverpool, L33 7sy	WEX128821	Disposing of waste exemption	Not on a farm	Burning waste in the open
T	416m SW	Clarence House, Kirkby Bank Road, Knowsley Industrial Park, Liverpool, L33 7sy	WEX128821	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods



ID	Location	Site	Reference	Category	Sub-Category	Description
T	416m SW	Clarence House, Kirkby Bank Road, Knowsley Industrial Park, Liverpool, L33 7sy	WEX128821	Treating waste exemption	Not on a farm	Sorting mixed waste
T	416m SW	Clarence House, Kirkby Bank Road, Knowsley Industrial Park, Liverpool, L33 7sy	WEX128821	Treating waste exemption	Not on a farm	Recovery of scrap metal
T	426m SW	Clarence House Kirkby Bank Road Liverpool Merseyside L33 7sy	EPR/NF0101G U/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
T	426m SW	Clarence House Kirkby Bank Road Liverpool Merseyside L33 7sy	EPR/NF0101G U/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
T	426m SW	Clarence House Kirkby Bank Road Liverpool Merseyside L33 7sy	EPR/NF0101G U/A001	Treating waste exemption	Non-agricultural waste only	Sorting mixed waste
T	426m SW	Clarence House Kirkby Bank Road Liverpool Merseyside L33 7sy	EPR/NF0101G U/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
T	426m SW	Clarence House Kirkby Bank Road Liverpool Merseyside L33 7sy	EPR/NF0101G U/A001	Using waste exemption	Non-agricultural waste only	Use of waste to manufacture finished goods
Y	436m SE	Image Business Park, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7uf	WEX289482	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
Y	436m SE	Image Business Park, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7uf	WEX289482	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
Y	436m SE	Image Business Park, Acornfield Road, Knowsley Industrial Park, Liverpool, L33 7uf	WEX289482	Storing waste exemption	Not on a farm	Storage of waste in a secure place
Z	459m SW	Kirkby Skips Limited Kirkby Bank Road, Kirkby Industrial Estate Kirkby Merseyside L33 7sy	EPR/LF0232W S/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising

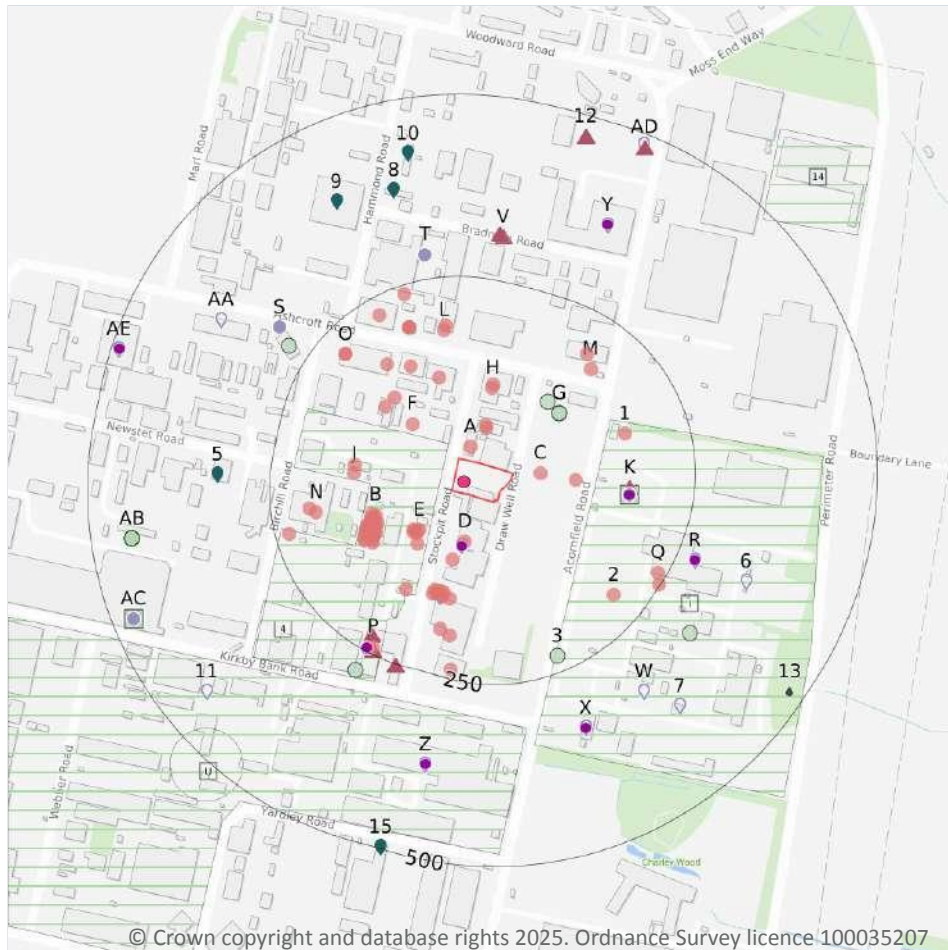


ID	Location	Site	Reference	Category	Sub-Category	Description
Z	471m SW	Orchard Works, Cranston Road, Knowsley Industrial Park, Liverpool, L33 7zr	WEX146264	Storing waste exemption	Not on a farm	Storage of waste in a secure place
Z	471m SW	Orchard Works, Cranston Road, Knowsley Industrial Park, Liverpool, L33 7zr	WEX146264	Treating waste exemption	Not on a farm	Manual treatment of waste
Z	471m SW	Orchard Works, Cranston Road, Knowsley Industrial Park, Liverpool, L33 7zr	WEX146264	Treating waste exemption	Not on a farm	Sorting mixed waste
Z	476m SW	Kirkby Skips Limited Kirkby Bank Road Liverpool L33 7sy	EPR/RF0432WC/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
Z	493m SW	Keir Plant Yardley Road Liverpool L33 7st	EPR/KF0504CC/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Control of Major Accident Hazards
- ▲ Hazardous substance storage/usage
- Historical licensed industrial activities
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Radioactive Substance Authorisations
- Licensed Discharges to controlled waters
- List 1 Dangerous Substances
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m

82

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 63](#) >

ID	Location	Company	Address	Activity	Category
A	19m N	R & R Bar Supplies	Stockpit Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7TQ	Catering and Non Specific Food Products	Foodstuffs
C	37m E	Acornfield Industrial Park	Merseyside, L33	Business Parks and Industrial Estates	Industrial Features



ID	Location	Company	Address	Activity	Category
A	49m N	Factory	Merseyside, L33	Unspecified Works Or Factories	Industrial Features
A	53m N	Lancashire Wood Design	Stockpit Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TQ	Furniture	Consumer Products
D	63m S	Atlas Sheds	4, Stockpit Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TQ	Garden Goods	Consumer Products
E	70m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
E	72m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
E	74m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
E	76m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
E	78m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
F	80m NW	Taylor Made Traffic Management	Stockpit Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7TQ	Electronic Equipment	Industrial Products
E	87m SW	Tanks	Merseyside, L33	Tanks (Generic)	Industrial Features
C	87m E	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
D	92m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
H	105m N	Car & Van MOT Ltd	Unit 2 Stockpit Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7TQ	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	110m W	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
H	110m N	Ashcroft Autocare	Stockpit Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7TQ	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	111m W	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	112m W	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
B	114m W	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
F	114m N	Factory	Merseyside, L33	Unspecified Works Or Factories	Industrial Features
B	115m W	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	115m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	117m W	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	118m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	118m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	119m W	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	121m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	121m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	122m W	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
F	122m NW	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
B	124m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
F	124m NW	Kirkby Precision Engineering Ltd	Ashcroft Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TW	Precision Engineers	Engineering Services
B	124m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	124m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	125m W	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
B	126m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	127m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	127m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	128m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	129m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	130m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	131m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	133m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
J	136m W	Chimney	Merseyside, L33	Chimneys	Industrial Features
B	137m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
J	137m W	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	138m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	138m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	138m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	138m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	138m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	143m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
F	143m NW	Bespoke Fireplaces Ltd	Unit 6a Ashcroft Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7TW	Fireplaces and Mantelpieces	Consumer Products



ID	Location	Company	Address	Activity	Category
D	143m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	143m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	144m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	144m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	149m SW	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
F	162m NW	C I S E	14 Lodge Works, Birchill Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TW	Electrical Components	Industrial Products
1	163m E	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
L	177m N	Fluid Science Ltd	Pride Point, Ashcroft Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TW	Bathroom Fixtures, Fittings and Sanitary Equipment	Consumer Products
M	178m NE	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
L	184m N	L S M Multiservice s Ltd	1 Pride Point, Ashcroft Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TW	Construction Completion Services	Construction Services
D	188m S	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
N	188m W	Lewis & Raby Engineers Ltd	Birchill Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TG	Mechanical Engineers	Engineering Services
L	192m NW	Faci UK Chemicals Ltd	Woodland Works, Ashcroft Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7TW	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
D	193m S	Cases for Industry	Stockpit Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TQ	Packaging	Industrial Products
M	193m NE	C & C Interiors Ltd	2, Ashcroft Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TH	General Construction Supplies	Industrial Products
L	193m NW	P G Auto's	9 Prestige Complex, Ashcroft Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TW	Vehicle Repair, Testing and Servicing	Repair and Servicing
L	193m NW	Ashcroft M O T Station	9 Prestige Complex, Ashcroft Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TW	Vehicle Repair, Testing and Servicing	Repair and Servicing



ID	Location	Company	Address	Activity	Category
N	197m W	Factory	Merseyside, L33	Unspecified Works Or Factories	Industrial Features
2	205m SE	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
O	211m NW	Knowsley Instrument Services	10-11 Lodge Works, Birchill Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TW	Instrumentation Engineers	Engineering Services
O	211m NW	Envogen UK Ltd	10-11 Lodge Works, Birchill Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7TW	Instrumentation Engineers	Engineering Services
L	225m NW	Factory	Merseyside, L33	Unspecified Works Or Factories	Industrial Features
N	231m W	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
D	238m S	Metalbuild M C E Ltd	9-12, Draw Well Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7BJ	Industrial Engineers	Engineering Services
L	238m N	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
Q	238m SE	Image Business Park	Merseyside, L33	Business Parks and Industrial Estates	Industrial Features
P	240m SW	Baker Hughes	Kirkby Bank Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7SY	Special Purpose Machinery and Equipment	Industrial Products
Q	249m SE	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0
----------------------------	----------

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.



4.3 Electricity cables

Records within 500m	0
---------------------	---

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0
---------------------	---

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0
---------------------	---

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	6
---------------------	---

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

Features are displayed on the Current industrial land use map on [page 63](#) >

ID	Location	Company	Address	Operational status	Tier
B	18m NW	Baker Hughes Limited	Baker Hughes Limited, Liverpool, Knowsley Industrial Park, Kirkby Bank Road, Liverpool, Merseyside, L33 7SY	Current COMAH Site	COMAH Lower Tier Operator
I	114m E	Kodak Ltd	Kodak Ltd, Acornfield Road, Kirkby, L33 7UF	Historical NIHHS Site	-
4	254m SW	Petrolite Ltd	Petrolite Ltd, Birchill Road, Kirkby Industrial Estate, Kirkby, Liverpool	Historical NIHHS Site	-
U	293m S	Mersey Gas	Mersey Gas, Orchard Works, Webber Road, Knowsley Industrial Park North, Liverpool, LS33 7SW	Historical NIHHS Site	-

ID	Location	Company	Address	Operational status	Tier
U	455m SW	Alta Gas Plc	Alta Gas Plc, Orchard Works, Webber Road, Knowsley Ind Park North, Liverpool, L33 7SW	Historical NIHHS Site	-
14	489m NE	P K Marine Freight Services Ltd	P K Marine Freight Services Ltd, Perimeter Road, Knowsley Industrial Park, Liverpool, L33 3AY	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0
----------------------------	----------

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	11
----------------------------	-----------

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

Features are displayed on the Current industrial land use map on [page 63 >](#)

ID	Location	Details	
K	161m E	Application reference number: 99/00703/HSC Application status: Approved Application date: 20/10/1999 Address: Kodak Ltd, Knowsley Industrial Park North, Acornfield Road, Kirkby, Knowsley, Merseyside, England, L33 7UF	Details: Claim For Deemed Consent For The Storage Of Various Hazardous Substances Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
P	227m SW	Application reference number: 09/00333/HAZ Application status: Historical Consent Application date: 27/08/2009 Address: Baker Hughes Ltd, Knowsley Industrial Park North, Kirkby Bank Road, Kirkby, Liverpool, Merseyside, England, L33 7SY	Details: Storage of very toxic, flammable, highly flammable, dangerous to the environment together with ethylene oxide and propylene oxide. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified



ID	Location	Details	
P	245m SW	Application reference number: 13/00256/HAZ Application status: Withdrawn Application date: 07/05/2013 Address: Baker Hughes, Kirkby Bank Road, Knowsley Industrial Park, Kirkby, Knowsley, L33 7SY	Details: For Storage of dimethyl sulphate (maximum of 6 tonnes) and diethylene triamine (maximum of 26 tonnes) (Part b, entry 1) Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
P	245m SW	Application reference number: 12/00733/HAZ Application status: Withdrawn Application date: 20/12/2012 Address: Baker Hughes, Kirkby Bank Road, Knowsley Industrial Park, Kirkby, Knowsley, L33 7SY	Details: For storage of acrolein (part b, entry 1) (maximum of 30 tonnes) Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
P	245m SW	Application reference number: 94/00024/HSC Application status: Pending Application date: 25/02/1994 Address: Baker Petrolite Ltd., Kirkby Bank Road, Knowsley Industrial Park, Kirkby, Knowsley, L33 7SY	Details: Hazardous Substances Consent For Proposal To Increase Ethylene Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
P	245m SW	Application reference number: 99/00705/HSC Application status: Historical Consent Application date: 20/10/1999 Address: Baker Petrolite, Kirkby Bank Road, Knowsley Industrial Park, Kirkby, Knowsley, L33 7RG	Details: Claim For Deemed Consent For The Storage Of Various Hazardous Substances Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
P	252m SW	Application reference number: No Details Application status: Approved Application date: No Details Address: Qualichem Ltd, Knowsley Industrial Park North, Kirkby Bank Road, Kirkby, Liverpool, Merseyside, England, L33 7SY	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
V	310m N	Application reference number: 02/00043/HAZ Application status: Historical Consent Application date: No Details Address: Bradman Manufacturing Ltd, Bradman House, 6 Bradman Road, Knowsley Industrial Park, Kirkby, Knowsley, L33 7UR	Details: Application For Hazardous Substances Consent For Part A Substances (arsenic Trioxide) Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
V	313m N	Application reference number: 02/00761/HAZ Application status: Historical Consent Application date: 02/10/2002 Address: Bradman Manufacturing Ltd, Bradman Road, Knowsley Industrial Park, Kirkby, Knowsley, L33 7UR	Details: Application For Part A Substances (arsenic trioxide and arsenic (v) acid) Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
12	471m N	Application reference number: 14/00544/HAZ Application status: Pending Application date: 30/07/2014 Address: Syntor Fine Chemicals, Acornfield Road, Knowsley Industrial Park, Kirkby, Knowsley, L33 7UG	Details: Hazardous Substances consent for storage of substances falling within the following categories; very toxic, toxic, flammable, highly flammable, dangerous to environment and reacts violently with water Enforcement: No Details Date of enforcement: No Details Comment: No Details



ID	Location	Details	
AD	482m NE	Application reference number: 09/00546/HAZ Application status: Approved Application date: 15/12/2009 Address: Syntor Fine Chemicals Ltd, Knowsley Industrial Park, Acornfield Road/Woodward Road, Kirkby, Liverpool, Merseyside, England, L33 7UG	Details: Storage of very toxic, toxic, flammable, highly flammable, dangerous to the environment and reacts violently with water. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	44
----------------------------	-----------

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

Features are displayed on the Current industrial land use map on [page 63 >](#)

ID	Location	Details	
K	162m E	Operator: Kodak Ltd Address: Kirby Technical Centre, Acornfield Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7UF Process: Recovery Processes Permit Number: AG7750	Original Permit Number: IPCAPP Date Approved: 30-3-1993 Effective Date: 30-3-1993 Status: Revoked
K	162m E	Operator: Kodak Ltd Address: Kirby Technical Centre, Acornfield Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7UF Process: Combustion Processes Permit Number: AI2023	Original Permit Number: IPCAPP Date Approved: 23-7-1993 Effective Date: 23-7-1993 Status: Revoked
K	162m E	Operator: Kodak Ltd Address: Chemical Manufacturing, Acornfield Road, Liverpool, L33 7UF Process: Acid Processes Permit Number: AL6751	Original Permit Number: IPCAIRAPP Date Approved: 3-5-1994 Effective Date: 16-5-1994 Status: Superseded By Variation
K	162m E	Operator: Kodak Ltd Address: Kirby Technical Centre, Acornfield Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7UF Process: Acid Processes Permit Number: AL6760	Original Permit Number: IPCAIRAPP Date Approved: 29-6-1994 Effective Date: 30-6-1994 Status: Superseded By Variation

ID	Location	Details	
K	162m E	Operator: Kodak Ltd Address: Chemical Manufacturing, Acornfield Road, Liverpool, L33 7UF Process: Acid Processes Permit Number: AL6778	Original Permit Number: IPCAIRAPP Date Approved: 14-7-1994 Effective Date: 21-7-1994 Status: Superseded By Variation
K	162m E	Operator: Kodak Ltd Address: Kirby Technical Centre, Acornfield Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7UF Process: Acid Processes Permit Number: AP8608	Original Permit Number: IPCMAJVAR Date Approved: 17-3-1995 Effective Date: 20-3-1995 Status: Superseded By Variation
K	162m E	Operator: Kodak Ltd Address: Kirby Technical Centre, Acornfield Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7UF Process: Acid Processes Permit Number: AS2688	Original Permit Number: IPCMINVAR Date Approved: 13-7-1995 Effective Date: 14-7-1995 Status: Superseded By Variation
K	162m E	Operator: Kodak Ltd Address: Kirby Technical Centre, Acornfield Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7UF Process: Acid Processes Permit Number: AT9696	Original Permit Number: IPCMINVAR Date Approved: 23-11-1995 Effective Date: 27-11-1995 Status: Superseded By Variation
K	162m E	Operator: Kodak Ltd Address: Chemical Manufacturing, Acornfield Road, Liverpool, L33 7UF Process: Acid Processes Permit Number: AU1291	Original Permit Number: IPCMINVAR Date Approved: 29-11-1995 Effective Date: 4-12-1995 Status: Revoked
K	162m E	Operator: Kodak Ltd Address: Kirby Technical Centre, Acornfield Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7UF Process: Acid Processes Permit Number: AV6060	Original Permit Number: IPCMINVAR Date Approved: 20-5-1996 Effective Date: 21-5-1996 Status: Superseded By Variation
K	162m E	Operator: Kodak Ltd Address: Kirby Technical Centre, Acornfield Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7UF Process: Acid Processes Permit Number: AX3860	Original Permit Number: IPCMINVAR Date Approved: 3-12-1996 Effective Date: 9-12-1996 Status: Superseded By Variation
K	162m E	Operator: Kodak Ltd Address: Kirby Technical Centre, Acornfield Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7UF Process: Acid Processes Permit Number: AZ1060	Original Permit Number: IPCMAJVAR Date Approved: 16-10-1997 Effective Date: 17-10-1997 Status: Superseded By Variation



ID	Location	Details	
K	162m E	Operator: Kodak Ltd Address: Chemical Manufacturing, Acornfield Road, Liverpool, L33 7UF Process: Acid Processes Permit Number: BC7426	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked - Now Ippc
K	162m E	Operator: Kodak Ltd Address: Kirby Technical Centre, Acornfield Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7UF Process: Acid Processes Permit Number: BE0163	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
K	162m E	Operator: Kodak Ltd Address: Kirby Technical Centre, Acornfield Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7UF Process: Acid Processes Permit Number: BF9298	Original Permit Number: IPCMAJVAR Date Approved: 1-2-2000 Effective Date: 2-2-2000 Status: Superseded By Variation
K	162m E	Operator: Kodak Ltd Address: Kirby Technical Centre, Acornfield Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7UF Process: Acid Processes Permit Number: BI9766	Original Permit Number: IPCMINVAR Date Approved: 15-8-2000 Effective Date: 15-8-2000 Status: Revoked - Now Ippc
P	246m SW	Operator: Baker Petrolite Ltd Address: Kirkby Bank Road, Knowsley Industrial Park (north), Liverpool, L33 7SY Process: Manufacture And Use Of Organic Chemicals Permit Number: AK6004	Original Permit Number: IPCAIRAPP Date Approved: 4-2-1994 Effective Date: 7-2-1994 Status: Superseded By Variation
P	246m SW	Operator: Baker Petrolite Ltd Address: T/a Baker Petrolite, Kirkby Bank Road, Knowsley Industrial Park (north), Liverpool, L33 7SY Process: Petrochemical Processes Permit Number: AK6012	Original Permit Number: IPCAPP Date Approved: 2-2-1994 Effective Date: 7-2-1994 Status: Superseded By Variation
P	246m SW	Operator: Baker Petrolite Ltd Address: T/a Baker Petrolite, Kirkby Bank Road, Knowsley Industrial Park (north), Liverpool, L33 7SY Process: Petrochemical Processes Permit Number: AT5356	Original Permit Number: IPCMINVAR Date Approved: 21-9-1995 Effective Date: 25-9-1995 Status: Superseded By Variation
P	246m SW	Operator: Baker Petrolite Ltd Address: Kirkby Bank Road, Knowsley Industrial Park (north), Liverpool, L33 7SY Process: Manufacture And Use Of Organic Chemicals Permit Number: AV0550	Original Permit Number: IPCMINVAR Date Approved: 6-3-1996 Effective Date: 13-3-1996 Status: Superseded By Variation



ID	Location	Details	
P	246m SW	Operator: Baker Petrolite Ltd Address: Kirkby Bank Road, Knowsley Industrial Park (north), Liverpool, L33 7SY Process: Manufacture And Use Of Organic Chemicals Permit Number: AX5960	Original Permit Number: IPCMINVAR Date Approved: 22-1-1997 Effective Date: 23-1-1997 Status: Superseded By Variation
P	246m SW	Operator: Baker Petrolite Ltd Address: T/a Baker Petrolite, Kirkby Bank Road, Knowsley Industrial Park (north), Liverpool, L33 7SY Process: Petrochemical Processes Permit Number: AZ8765	Original Permit Number: IPCMINVAR Date Approved: 21-10-1997 Effective Date: 27-10-1997 Status: Superseded By Variation
P	246m SW	Operator: Baker Petrolite Ltd Address: T/a Baker Petrolite, Kirkby Bank Road, Knowsley Industrial Park (north), Liverpool, L33 7SY Process: Manufacture And Use Of Organic Chemicals Permit Number: BB5851	Original Permit Number: IPCAPP Date Approved: 17-11-1998 Effective Date: 17-11-1998 Status: Superseded By Variation
P	246m SW	Operator: Baker Petrolite Ltd Address: Kirkby Bank Road, Knowsley Industrial Park (north), Liverpool, L33 7SY Process: Manufacture And Use Of Organic Chemicals Permit Number: BD8223	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
P	246m SW	Operator: Baker Petrolite Ltd Address: T/a Baker Petrolite, Kirkby Bank Road, Knowsley Industrial Park (north), Liverpool, L33 7SY Process: Petrochemical Processes Permit Number: BE1526	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked - Now Ippc
P	246m SW	Operator: Baker Petrolite Ltd Address: T/a Baker Petrolite, Kirkby Bank Road, Knowsley Industrial Park (north), Liverpool, L33 7SY Process: Manufacture And Use Of Organic Chemicals Permit Number: BE7303	Original Permit Number: IPCMINVAR Date Approved: 25-11-1998 Effective Date: 30-11-1998 Status: Revoked - Now Ippc
P	246m SW	Operator: Baker Petrolite Ltd Address: Kirkby Bank Road, Knowsley Industrial Park (north), Liverpool, L33 7SY Process: Manufacture And Use Of Organic Chemicals Permit Number: BF9301	Original Permit Number: IPCMAJVAR Date Approved: 6-10-1999 Effective Date: 6-10-1999 Status: Superseded By Variation
P	246m SW	Operator: Baker Petrolite Ltd Address: Kirkby Bank Road, Knowsley Industrial Park (north), Liverpool, L33 7SY Process: Manufacture And Use Of Organic Chemicals Permit Number: BI9111	Original Permit Number: IPCMINVAR Date Approved: 6-7-2000 Effective Date: 10-7-2000 Status: Revoked - Now Ippc
T	284m N	Operator: Bradman Road Manufacturing Ltd Address: Bradman Road, Knowsley Industrial Park, Liverpool, L33 7UR Process: Inorganic Chemical Processes Permit Number: AQ2664	Original Permit Number: IPCAPP Date Approved: 6-6-1995 Effective Date: 13-6-1995 Status: Superseded By Variation



ID	Location	Details	
T	284m N	Operator: Bradman Road Manufacturing Ltd Address: Bradman Road, Knowsley Industrial Park, Liverpool, L33 7UR Process: Inorganic Chemical Processes Permit Number: AV6043	Original Permit Number: IPCMINVAR Date Approved: 20-5-1996 Effective Date: 21-5-1996 Status: Superseded By Variation
T	284m N	Operator: Bradman Road Manufacturing Ltd Address: Bradman Road, Knowsley Industrial Park, Liverpool, L33 7UR Process: Inorganic Chemical Processes Permit Number: BA1559	Original Permit Number: IPCMINVAR Date Approved: 28-11-1997 Effective Date: 5-12-1997 Status: Superseded By Variation
T	284m N	Operator: Bradman Road Manufacturing Ltd Address: Bradman Road, Knowsley Industrial Park, Liverpool, L33 7UR Process: Inorganic Chemical Processes Permit Number: BE2107	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
T	284m N	Operator: Bradman Road Manufacturing Ltd Address: Bradman Road, Knowsley Industrial Park, Liverpool, L33 7UR Process: Inorganic Chemical Processes Permit Number: BL3749	Original Permit Number: IPCMINVAR Date Approved: 6-9-2001 Effective Date: 10-9-2001 Status: Superseded By Variation
T	284m N	Operator: Bradman Road Manufacturing Ltd Address: Bradman Road, Knowsley Industrial Park, Liverpool, L33 7UR Process: Inorganic Chemical Processes Permit Number: BU1741	Original Permit Number: IPCMAJVAR Date Approved: 1-9-2003 Effective Date: 5-9-2003 Status: Revoked
S	305m NW	Operator: Kidde Products Ltd Address: Ashcroft Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7TS Process: Inorganic Chemical Processes Permit Number: AI3755	Original Permit Number: IPCAPP Date Approved: 26-7-1993 Effective Date: 26-7-1993 Status: Superseded By Variation
S	305m NW	Operator: Kidde Products Ltd Address: Ashcroft Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7TS Process: Inorganic Chemical Processes Permit Number: AO0229	Original Permit Number: IPCAIRAPP Date Approved: 1-11-1994 Effective Date: 8-11-1994 Status: Superseded By Variation
S	305m NW	Operator: Kidde Products Ltd Address: Ashcroft Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7TS Process: Inorganic Chemical Processes Permit Number: AR5235	Original Permit Number: IPCMINVAR Date Approved: 6-6-1995 Effective Date: 13-6-1995 Status: Superseded By Variation
S	305m NW	Operator: Kidde Products Ltd Address: Ashcroft Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7TS Process: Inorganic Chemical Processes Permit Number: BC9321	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked



ID	Location	Details	
S	305m NW	Operator: Kidde Products Ltd Address: Ashcroft Road, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7TS Process: Inorganic Chemical Processes Permit Number: BD1547	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked - Now Ippc
AC	471m W	Operator: Rentokil Ltd Address: Webber Manufacturing, Knowsley Industrial Park North, Liverpool, Merseyside, L33 7SR Process: Pesticide Production Permit Number: BD9424	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Effective
AC	471m W	Operator: Rentokil Initial UK Ltd Address: Webber Manufacturing, Knowsley Industrial Park North, Kirkby, Liverpool, Merseyside, L33 7SR Process: Pesticide Production Permit Number: AK8104	Original Permit Number: IPCAPP Date Approved: 13-9-1994 Effective Date: 20-9-1994 Status: Superseded By Variation
AC	471m W	Operator: Rentokil Initial UK Ltd Address: Webber Manufacturing, Knowsley Industrial Park North, Kirkby, Liverpool, Merseyside, L33 7SR Process: Pesticide Production Permit Number: AQ8140	Original Permit Number: IPCMINVAR Date Approved: 26-7-1995 Effective Date: 1-9-1995 Status: Superseded By Variation
AC	471m W	Operator: Rentokil Initial UK Ltd Address: Webber Manufacturing, Knowsley Industrial Park North, Kirkby, Liverpool, Merseyside, L33 7SR Process: Pesticide Production Permit Number: AY6481	Original Permit Number: IPCMINVAR Date Approved: 22-7-1997 Effective Date: 30-7-1997 Status: Superseded By Variation
AC	471m W	Operator: Rentokil Initial UK Ltd Address: Webber Manufacturing, Knowsley Industrial Park North, Kirkby, Liverpool, Merseyside, L33 7SR Process: Pesticide Production Permit Number: BM2462	Original Permit Number: IPCMINVAR Date Approved: 19-12-2002 Effective Date: 23-12-2002 Status: Surrendered

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

213

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

Features are displayed on the Current industrial land use map on [page 63](#) >



ID	Location	Details	
D	70m S	Operator: SLICKER RECYCLING LIMITED Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: SP3130EK Original Permit Number: SP3130EK	EPR Reference: EPR/SP3130EK Issue Date: 17/04/2015 Effective Date: 17/04/2015 Last date noted as effective: 29/10/2024 Status: Superseded
D	70m S	Operator: SLICKER RECYCLING LIMITED Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: SP3130EK Original Permit Number: SP3130EK	EPR Reference: EPR/SP3130EK Issue Date: 17/04/2015 Effective Date: 17/04/2015 Last date noted as effective: 29/10/2024 Status: Superseded
D	70m S	Operator: SLICKER RECYCLING LIMITED Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: SP3130EK Original Permit Number: SP3130EK	EPR Reference: EPR/SP3130EK Issue Date: 17/04/2015 Effective Date: 17/04/2015 Last date noted as effective: 29/10/2024 Status: Superseded
D	70m S	Operator: SLICKER RECYCLING LIMITED Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: SP3130EK Original Permit Number: SP3130EK	EPR Reference: EPR/SP3130EK Issue Date: 17/04/2015 Effective Date: 17/04/2015 Last date noted as effective: 29/10/2024 Status: Superseded
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 25/01/2024 Effective Date: 22/11/2016 Last date noted as effective: 06/08/2024 Status: Effective



ID	Location	Details	
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 25/01/2024 Effective Date: 22/11/2016 Last date noted as effective: 06/08/2024 Status: Effective
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 25/01/2024 Effective Date: 22/11/2016 Last date noted as effective: 06/08/2024 Status: Effective
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 25/01/2024 Effective Date: 22/11/2016 Last date noted as effective: 06/08/2024 Status: Effective
D	70m S	Operator: HYDRODEC (UK) LIMITED Installation Name: KNOWSLEY WASTE FACILITY Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: GP3037WS Original Permit Number: SP3130EK	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/04/2015 Status: DETERMINATION
D	70m S	Operator: HYDRODEC (UK) LIMITED Installation Name: KNOWSLEY WASTE FACILITY Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: GP3037WS Original Permit Number: SP3130EK	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/04/2015 Status: DETERMINATION



ID	Location	Details	
D	70m S	Operator: Mulberry Waste Limited Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: VP3834DK Original Permit Number: ZP3439RM	EPR Reference: - Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 21/03/2023 Status: Effective
D	70m S	Operator: Mulberry Waste Limited Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: VP3834DK Original Permit Number: ZP3439RM	EPR Reference: - Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 21/03/2023 Status: Effective
D	70m S	Operator: Hydrodec (UK) Limited Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: GP3637WN Original Permit Number: SP3130EK	EPR Reference: - Issue Date: 17/04/2015 Effective Date: 17/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
D	70m S	Operator: Hydrodec (UK) Limited Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: WP3331EA Original Permit Number: SP3130EK	EPR Reference: - Issue Date: 23/01/2014 Effective Date: 23/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
D	70m S	Operator: Hydrodec (UK) Limited Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: GP3637WN Original Permit Number: SP3130EK	EPR Reference: - Issue Date: 17/04/2015 Effective Date: 17/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
D	70m S	Operator: Hydrodec (UK) Limited Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: GP3637WN Original Permit Number: SP3130EK	EPR Reference: - Issue Date: 17/04/2015 Effective Date: 17/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
D	70m S	Operator: Hydrodec (UK) Limited Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: GP3637WN Original Permit Number: SP3130EK	EPR Reference: - Issue Date: 17/04/2015 Effective Date: 17/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
D	70m S	Operator: Hydrodec (UK) Limited Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: DP3734VX Original Permit Number: SP3130EK	EPR Reference: - Issue Date: 15/05/2014 Effective Date: 15/05/2014 Last date noted as effective: 21/03/2023 Status: Superseded
D	70m S	Operator: Mulberry Waste Limited Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: VP3834DK Original Permit Number: ZP3439RM	EPR Reference: - Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
D	70m S	Operator: Mulberry Waste Limited Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: GP3637RT Original Permit Number: ZP3439RM	EPR Reference: - Issue Date: 26/04/2016 Effective Date: 26/04/2016 Last date noted as effective: 21/03/2023 Status: Superseded
D	70m S	Operator: Hydrodec (UK) Limited Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: DP3734VX Original Permit Number: SP3130EK	EPR Reference: - Issue Date: 15/05/2014 Effective Date: 15/05/2014 Last date noted as effective: 21/03/2023 Status: Superseded
D	70m S	Operator: Hydrodec (UK) Limited Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: WP3331EA Original Permit Number: SP3130EK	EPR Reference: - Issue Date: 23/01/2014 Effective Date: 23/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded
D	70m S	Operator: Mulberry Waste Limited Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: VP3834DK Original Permit Number: ZP3439RM	EPR Reference: - Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 21/03/2023 Status: Effective
D	70m S	Operator: Mulberry Waste Limited Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: GP3637RT Original Permit Number: ZP3439RM	EPR Reference: - Issue Date: 26/04/2016 Effective Date: 26/04/2016 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
D	70m S	Operator: Mulberry Waste Limited Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: GP3637RT Original Permit Number: ZP3439RM	EPR Reference: - Issue Date: 26/04/2016 Effective Date: 26/04/2016 Last date noted as effective: 21/03/2023 Status: Superseded
D	70m S	Operator: Mulberry Waste Limited Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: GP3637RT Original Permit Number: ZP3439RM	EPR Reference: - Issue Date: 26/04/2016 Effective Date: 26/04/2016 Last date noted as effective: 21/03/2023 Status: Superseded
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 29/10/2024 Status: Effective
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 29/10/2024 Status: Effective
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 29/10/2024 Status: Effective



ID	Location	Details	
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 29/10/2024 Status: Effective
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S5.2 PENDING ACTIVITIES LISTED IN S5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 29/10/2024 Status: Effective
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DIRECTLY ASSOCIATED ACTIVITY (INCLUDED) Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 29/10/2024 Status: Effective
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DIRECTLY ASSOCIATED ACTIVITY (INCLUDED) Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 29/10/2024 Status: Effective
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DIRECTLY ASSOCIATED ACTIVITY (INCLUDED) Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 29/10/2024 Status: Effective
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DIRECTLY ASSOCIATED ACTIVITY (INCLUDED) Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 29/10/2024 Status: Effective



ID	Location	Details	
D	70m S	Operator: MULBERRY WASTE LIMITED Installation Name: Knowsley Waste Facility EPR/ZP3439RM Process: DIRECTLY ASSOCIATED ACTIVITY (INCLUDED) Permit Number: ZP3439RM Original Permit Number: ZP3439RM	EPR Reference: EPR/ZP3439RM Issue Date: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 29/10/2024 Status: Effective
D	146m S	Operator: GREENWAY ORCOL LIMITED Installation Name: Knowsley Waste Facility Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: EP3930US Original Permit Number: EP3930US	EPR Reference: EPR/EP3930US Issue Date: 08/08/2012 Effective Date: 08/08/2012 Last date noted as effective: 29/10/2024 Status: Superseded
D	146m S	Operator: OSS GROUP LTD Installation Name: OSS KNOWSLEY Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: EP3930US Original Permit Number: EP3930US	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 02/07/2007 Status: DETERMINATION
D	146m S	Operator: OSS Group Ltd Installation Name: OSS Knowsley Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: VP3230CF Original Permit Number: EP3930US	EPR Reference: - Issue Date: 31/05/2012 Effective Date: 31/05/2012 Last date noted as effective: 21/03/2023 Status: Superseded
D	146m S	Operator: OSS Group Ltd Installation Name: Knowsley Waste Facility Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: JP3831CZ Original Permit Number: EP3930US	EPR Reference: - Issue Date: 08/08/2012 Effective Date: 08/08/2012 Last date noted as effective: 21/03/2023 Status: Superseded
D	146m S	Operator: Hydrodec (UK) Limited Installation Name: Knowsley Waste Facility EPR/SP3130EK Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: SP3130EK Original Permit Number: SP3130EK	EPR Reference: - Issue Date: 08/10/2013 Effective Date: 08/10/2013 Last date noted as effective: 21/03/2023 Status: Superseded
D	146m S	Operator: OSS Group Ltd Installation Name: OSS Knowsley Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: FP3636KQ Original Permit Number: EP3930US	EPR Reference: - Issue Date: 03/09/2010 Effective Date: 03/09/2010 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
K	162m E	Operator: FUTURE INDUSTRIAL SERVICES LIMITED Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: ASSOCIATED PROCESS Permit Number: VP3936UG Original Permit Number: VP3936UG	EPR Reference: EPR/VP3936UG Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 29/10/2024 Status: Effective
K	162m E	Operator: FUTURE INDUSTRIAL SERVICES LIMITED Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING BLENDING OR MIXING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: VP3936UG Original Permit Number: VP3936UG	EPR Reference: EPR/VP3936UG Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 29/10/2024 Status: Effective
K	162m E	Operator: FUTURE INDUSTRIAL SERVICES LIMITED Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: VP3936UG Original Permit Number: VP3936UG	EPR Reference: EPR/VP3936UG Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 29/10/2024 Status: Effective
K	162m E	Operator: FUTURE INDUSTRIAL SERVICES LIMITED Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: VP3936UG Original Permit Number: VP3936UG	EPR Reference: EPR/VP3936UG Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 29/10/2024 Status: Effective
K	162m E	Operator: FUTURE INDUSTRIAL SERVICES LIMITED Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING RECYCLING OR RECLAMATION OF INORGANIC MATERIALS OTHER THAN METALS OR METAL COMPOUNDS Permit Number: VP3936UG Original Permit Number: VP3936UG	EPR Reference: EPR/VP3936UG Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 29/10/2024 Status: Effective



ID	Location	Details	
K	162m E	Operator: FUTURE INDUSTRIAL SERVICES LIMITED Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING OIL RE-REFINING OR OTHER REUSES OF OIL Permit Number: VP3936UG Original Permit Number: VP3936UG	EPR Reference: EPR/VP3936UG Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 29/10/2024 Status: Effective
K	162m E	Operator: FUTURE INDUSTRIAL SERVICES LIMITED Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: VP3936UG Original Permit Number: VP3936UG	EPR Reference: EPR/VP3936UG Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 29/10/2024 Status: Effective
K	162m E	Operator: FUTURE INDUSTRIAL SERVICES LIMITED Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: VP3936UG Original Permit Number: VP3936UG	EPR Reference: EPR/VP3936UG Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 29/10/2024 Status: Effective
K	162m E	Operator: FUTURE INDUSTRIAL SERVICES LIMITED Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: VP3936UG Original Permit Number: VP3936UG	EPR Reference: EPR/VP3936UG Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 29/10/2024 Status: Effective
K	162m E	Operator: FUTURE INDUSTRIAL SERVICES LIMITED Installation Name: ACORNFIELD ROAD WASTE MANAGEMENT CENTRE Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: UP3931AP Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 01/07/2016 Status: EFFECTIVE



ID	Location	Details	
K	162m E	Operator: Future Industrial Services Limited Installation Name: Future Industrial Services Limited, Acornfield Road Waste Management Centre Process: ASSOCIATED PROCESS Permit Number: BP3038EU Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 07/02/2014 Effective Date: 07/02/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Future Industrial Services Limited, Acornfield Road Waste Management Centre Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING BLENDING OR MIXING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: BP3038EU Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 07/02/2014 Effective Date: 07/02/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Future Industrial Services Limited, Acornfield Road Waste Management Centre Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: BP3038EU Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 07/02/2014 Effective Date: 07/02/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Future Industrial Services Limited, Acornfield Road Waste Management Centre Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: BP3038EU Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 07/02/2014 Effective Date: 07/02/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Future Industrial Services Limited, Acornfield Road Waste Management Centre Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: VP3936UG Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 19/09/2008 Effective Date: 19/09/2008 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: XP3333WW Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 12/09/2014 Effective Date: 12/09/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Future Industrial Services Limited, Acornfield Road Waste Management Centre Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: BP3038EU Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 07/02/2014 Effective Date: 07/02/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: ASSOCIATED PROCESS Permit Number: BP3531WR Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 23/03/2015 Effective Date: 23/03/2015 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Future Industrial Services Limited, Acornfield Road Waste Management Centre Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING RECYCLING OR RECLAMATION OF INORGANIC MATERIALS OTHER THAN METALS OR METAL COMPOUNDS Permit Number: BP3038EU Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 07/02/2014 Effective Date: 07/02/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: BP3531WR Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 23/03/2015 Effective Date: 23/03/2015 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING BLENDING OR MIXING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: BP3531WR Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 23/03/2015 Effective Date: 23/03/2015 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Future Industrial Services Limited, Acornfield Road Waste Management Centre Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: BP3038EU Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 07/02/2014 Effective Date: 07/02/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: UP3931AP Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 21/03/2023 Status: Effective
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: UP3931AP Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 21/03/2023 Status: Effective
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: UP3931AP Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: XP3333WW Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 12/09/2014 Effective Date: 12/09/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING RECYCLING OR RECLAMATION OF INORGANIC MATERIALS OTHER THAN METALS OR METAL COMPOUNDS Permit Number: XP3333WW Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 12/09/2014 Effective Date: 12/09/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Future Industrial Services Limited, Acornfield Road Waste Management Centre Process: ASSOCIATED PROCESS Permit Number: UP3830KX Original Permit Number: VP3936UG	EPR Reference: EA/EPR/VP3936UG/V002 Issue Date: 14/04/2010 Effective Date: 14/04/2010 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Future Industrial Services Limited, Acornfield Road Waste Management Centre Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: UP3830KX Original Permit Number: VP3936UG	EPR Reference: EA/EPR/VP3936UG/V002 Issue Date: 14/04/2010 Effective Date: 14/04/2010 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: ASSOCIATED PROCESS Permit Number: UP3931AP Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 21/03/2023 Status: Effective
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: UP3931AP Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: BP3531WR Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 23/03/2015 Effective Date: 23/03/2015 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING RECYCLING OR RECLAMATION OF INORGANIC MATERIALS OTHER THAN METALS OR METAL COMPOUNDS Permit Number: BP3531WR Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 23/03/2015 Effective Date: 23/03/2015 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: UP3931AP Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 21/03/2023 Status: Effective
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING BLENDING OR MIXING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: UP3931AP Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 21/03/2023 Status: Effective
K	162m E	Operator: Future Industrial Services Limited Installation Name: Future Industrial Services Limited, Acornfield Road Waste Management Centre Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: VP3936UG Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 19/09/2008 Effective Date: 19/09/2008 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING BLENDING OR MIXING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: XP3333WW Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 12/09/2014 Effective Date: 12/09/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: BP3531WR Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 23/03/2015 Effective Date: 23/03/2015 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: BP3531WR Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 23/03/2015 Effective Date: 23/03/2015 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Future Industrial Services Limited, Acornfield Road Waste Management Centre Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: UP3830KX Original Permit Number: VP3936UG	EPR Reference: EA/EPR/VP3936UG/V002 Issue Date: 14/04/2010 Effective Date: 14/04/2010 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING OIL RE-REFINING OR OTHER REUSES OF OIL Permit Number: UP3931AP Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre EPR/VP3936UG Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING RECYCLING OR RECLAMATION OF INORGANIC MATERIALS OTHER THAN METALS OR METAL COMPOUNDS Permit Number: UP3931AP Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 26/10/2015 Effective Date: 26/10/2015 Last date noted as effective: 21/03/2023 Status: Effective
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: XP3333WW Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 12/09/2014 Effective Date: 12/09/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: XP3333WW Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 12/09/2014 Effective Date: 12/09/2014 Last date noted as effective: 21/03/2023 Status: Superseded
K	162m E	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre Process: ASSOCIATED PROCESS Permit Number: XP3333WW Original Permit Number: VP3936UG	EPR Reference: - Issue Date: 12/09/2014 Effective Date: 12/09/2014 Last date noted as effective: 21/03/2023 Status: Superseded
P	246m SW	Operator: QUALITECH ENVIRONMENTAL SERVICES LIMITED Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ASSOCIATED PROCESS Permit Number: BU4589IZ Original Permit Number: BU4589IZ	EPR Reference: EPR/BU4589IZ Issue Date: 11/11/2013 Effective Date: 21/06/2023 Last date noted as effective: 29/10/2024 Status: Effective



ID	Location	Details	
P	246m SW	Operator: QUALITECH ENVIRONMENTAL SERVICES LIMITED Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: BU4589IZ Original Permit Number: BU4589IZ	EPR Reference: EPR/BU4589IZ Issue Date: 11/11/2013 Effective Date: 21/06/2023 Last date noted as effective: 29/10/2024 Status: Effective
P	246m SW	Operator: QUALITECH ENVIRONMENTAL SERVICES LIMITED Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BU4589IZ Original Permit Number: BU4589IZ	EPR Reference: EPR/BU4589IZ Issue Date: 11/11/2013 Effective Date: 21/06/2023 Last date noted as effective: 29/10/2024 Status: Effective
P	246m SW	Operator: QUALITECH ENVIRONMENTAL SERVICES LIMITED Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: BU4589IZ Original Permit Number: BU4589IZ	EPR Reference: EPR/BU4589IZ Issue Date: 11/11/2013 Effective Date: 21/06/2023 Last date noted as effective: 29/10/2024 Status: Effective
P	246m SW	Operator: QUALITECH ENVIRONMENTAL SERVICES LIMITED Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: BU4589IZ Original Permit Number: BU4589IZ	EPR Reference: EPR/BU4589IZ Issue Date: 11/11/2013 Effective Date: 21/06/2023 Last date noted as effective: 29/10/2024 Status: Effective
P	246m SW	Operator: QUALITECH ENVIRONMENTAL SERVICES LIMITED Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: BU4589IZ Original Permit Number: BU4589IZ	EPR Reference: EPR/BU4589IZ Issue Date: 11/11/2013 Effective Date: 21/06/2023 Last date noted as effective: 29/10/2024 Status: Effective



ID	Location	Details	
P	246m SW	Operator: QUALITECH ENVIRONMENTAL SERVICES LIMITED Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BU4589IZ Original Permit Number: BU4589IZ	EPR Reference: EPR/BU4589IZ Issue Date: 11/11/2013 Effective Date: 21/06/2023 Last date noted as effective: 29/10/2024 Status: Effective
P	246m SW	Operator: BAKER HUGHES LIMITED Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: BU4589IZ Original Permit Number: BU4589IZ	EPR Reference: EPR/BU4589IZ Issue Date: 11/11/2013 Effective Date: 11/11/2013 Last date noted as effective: 25/05/2023 Status: Effective
P	246m SW	Operator: BAKER HUGHES LTD Installation Name: - Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: BU4589 Original Permit Number: BU4589	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
P	246m SW	Operator: BAKER HUGHES LTD Installation Name: - Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BU4589 Original Permit Number: BU4589	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
P	246m SW	Operator: BAKER HUGHES LTD Installation Name: - Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: BU4589 Original Permit Number: BU4589	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
P	246m SW	Operator: BAKER HUGHES LIMITED Installation Name: BAKER PETROLITE, KIRKBY EPR/BU4589IZ Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: QP3733NT Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 11/11/2013 Effective Date: 11/11/2013 Last date noted as effective: 28/09/2020 Status: EFFECTIVE



ID	Location	Details	
P	246m SW	Operator: BAKER HUGHES LTD Installation Name: - Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: BU4589 Original Permit Number: BU4589	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
P	246m SW	Operator: BAKER HUGHES LTD Installation Name: - Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BU4589 Original Permit Number: BU4589	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
P	246m SW	Operator: BAKER HUGHES LTD Installation Name: - Process: ORGANIC CHEMICALS; POLYMERISING ETC UNSATURATED HYDROCARBONS >50T/12 MONTHS Permit Number: BU4589 Original Permit Number: BU4589	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
P	246m SW	Operator: BAKER HUGHES LTD Installation Name: - Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BU4589 Original Permit Number: BU4589	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
P	246m SW	Operator: BAKER HUGHES LIMITED Installation Name: BAKER PETROLITE, KIRKBY EPR/BU4589IZ Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL Permit Number: QP3733NT Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 11/11/2013 Effective Date: 11/11/2013 Last date noted as effective: 28/09/2020 Status: EFFECTIVE
P	246m SW	Operator: BAKER HUGHES LIMITED Installation Name: BAKER PETROLITE, KIRKBY EPR/BU4589IZ Process: ORGANIC CHEMICALS; POLYMERISING ETC UNSATURATED HYDROCARBONS >50T/12 MONTHS Permit Number: QP3733NT Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 11/11/2013 Effective Date: 11/11/2013 Last date noted as effective: 28/09/2020 Status: EFFECTIVE
P	246m SW	Operator: Baker Hughes Limited Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: QP3733NT Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 11/11/2013 Effective Date: 11/11/2013 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
P	246m SW	Operator: Baker Hughes Limited Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: QP3733NT Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 11/11/2013 Effective Date: 11/11/2013 Last date noted as effective: 21/03/2023 Status: Effective
P	246m SW	Operator: Baker Hughes Limited Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: QP3733NT Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 11/11/2013 Effective Date: 11/11/2013 Last date noted as effective: 21/03/2023 Status: Effective
P	246m SW	Operator: Baker Hughes Limited Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: QP3733NT Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 11/11/2013 Effective Date: 11/11/2013 Last date noted as effective: 21/03/2023 Status: Effective
P	246m SW	Operator: Baker Hughes Ltd Installation Name: BAKER PETROLITE, KIRKBY Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: BU4589IZ Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 08/10/2004 Effective Date: 08/10/2004 Last date noted as effective: 21/03/2023 Status: Superseded
P	246m SW	Operator: Baker Hughes Ltd Installation Name: BAKER PETROLITE, KIRKBY Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: SP3737LW Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 10/05/2007 Effective Date: 10/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
P	246m SW	Operator: Baker Hughes Ltd Installation Name: BAKER PETROLITE, KIRKBY Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BU4589IZ Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 08/10/2004 Effective Date: 08/10/2004 Last date noted as effective: 21/03/2023 Status: Superseded
P	246m SW	Operator: Baker Hughes Ltd Installation Name: BAKER PETROLITE, KIRKBY Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: SP3737LW Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 10/05/2007 Effective Date: 10/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
P	246m SW	Operator: Baker Hughes Limited Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ASSOCIATED PROCESS Permit Number: QP3733NT Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 11/11/2013 Effective Date: 11/11/2013 Last date noted as effective: 21/03/2023 Status: Effective
P	246m SW	Operator: Baker Hughes Limited Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: QP3733NT Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 11/11/2013 Effective Date: 11/11/2013 Last date noted as effective: 21/03/2023 Status: Effective
P	246m SW	Operator: Baker Hughes Ltd Installation Name: BAKER PETROLITE, KIRKBY Process: ORGANIC CHEMICALS; POLYMERISING ETC UNSATURATED HYDROCARBONS >50T/12 MONTHS Permit Number: BU4589IZ Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 08/10/2004 Effective Date: 08/10/2004 Last date noted as effective: 21/03/2023 Status: Superseded
P	246m SW	Operator: Baker Hughes Ltd Installation Name: BAKER PETROLITE, KIRKBY Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: SP3737LW Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 10/05/2007 Effective Date: 10/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
P	246m SW	Operator: Baker Hughes Ltd Installation Name: BAKER PETROLITE, KIRKBY Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: SP3737LW Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 10/05/2007 Effective Date: 10/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
P	246m SW	Operator: Baker Hughes Ltd Installation Name: BAKER PETROLITE, KIRKBY Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: SP3737LW Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 10/05/2007 Effective Date: 10/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
P	246m SW	Operator: Baker Hughes Ltd Installation Name: BAKER PETROLITE, KIRKBY Process: ORGANIC CHEMICALS; POLYMERISING ETC UNSATURATED HYDROCARBONS >50T/12 MONTHS Permit Number: SP3737LW Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 10/05/2007 Effective Date: 10/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
P	246m SW	Operator: Baker Hughes Limited Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: QP3733NT Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 11/11/2013 Effective Date: 11/11/2013 Last date noted as effective: 21/03/2023 Status: Effective
P	246m SW	Operator: Baker Hughes Ltd Installation Name: BAKER PETROLITE, KIRKBY Process: ASSOCIATED PROCESS Permit Number: SP3737LW Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 10/05/2007 Effective Date: 10/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
P	246m SW	Operator: Baker Hughes Ltd Installation Name: BAKER PETROLITE, KIRKBY Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: SP3737LW Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 10/05/2007 Effective Date: 10/05/2007 Last date noted as effective: 21/03/2023 Status: Superseded
P	246m SW	Operator: Baker Hughes Limited Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: QP3733NT Original Permit Number: BU4589IZ	EPR Reference: - Issue Date: 11/11/2013 Effective Date: 11/11/2013 Last date noted as effective: 21/03/2023 Status: Effective
R	275m E	Operator: SURFACE TRANSFORMS PLC Installation Name: Surface Transforms Liverpool Process: CARBON; PRODUCING CARBON ETC BY INCINERATION/GRAPHITISATION Permit Number: WP3439QP Original Permit Number: WP3439QP	EPR Reference: EPR/WP3439QP Issue Date: 17/12/2019 Effective Date: 17/12/2019 Last date noted as effective: 29/10/2024 Status: Effective
R	275m E	Operator: SURFACE TRANSFORMS PLC Installation Name: Surface Transforms Liverpool Process: ORGANIC CHEMICALS; PHOSPHORUS CONTAINING COMPOUNDS EG SUBSTITUTED PHOSPHINES Permit Number: WP3439QP Original Permit Number: WP3439QP	EPR Reference: EPR/WP3439QP Issue Date: 17/12/2019 Effective Date: 17/12/2019 Last date noted as effective: 29/10/2024 Status: Effective
R	275m E	Operator: SURFACE TRANSFORMS PLC Installation Name: Surface Transforms Liverpool Process: THE ACTIVITY OF MAKING CHARCOAL Permit Number: WP3439QP Original Permit Number: WP3439QP	EPR Reference: EPR/WP3439QP Issue Date: 17/12/2019 Effective Date: 17/12/2019 Last date noted as effective: 29/10/2024 Status: Effective



ID	Location	Details	
R	275m E	Operator: SURFACE TRANSFORMS PLC Installation Name: Surface Transforms Liverpool Process: ASSOCIATED PROCESS Permit Number: WP3439QP Original Permit Number: WP3439QP	EPR Reference: EPR/WP3439QP Issue Date: 17/12/2019 Effective Date: 17/12/2019 Last date noted as effective: 29/10/2024 Status: Effective
W	330m SE	Operator: KODAK LIMITED Installation Name: Kirkby, photochemical manufacturing Process: INORGANIC CHEMICALS; HALOGENS ETC OR HALOGEN/OXYGEN COMPOUNDS ETC Permit Number: BU5607IM Original Permit Number: BU5607IM	EPR Reference: EPR/BU5607IM Issue Date: 07/09/2006 Effective Date: 07/09/2006 Last date noted as effective: 29/10/2024 Status: Superseded
W	330m SE	Operator: KODAK LIMITED Installation Name: Kirkby, photochemical manufacturing Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: BU5607IM Original Permit Number: BU5607IM	EPR Reference: EPR/BU5607IM Issue Date: 07/09/2006 Effective Date: 07/09/2006 Last date noted as effective: 29/10/2024 Status: Superseded
W	330m SE	Operator: KODAK LIMITED Installation Name: Kirkby, photochemical manufacturing Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: BU5607IM Original Permit Number: BU5607IM	EPR Reference: EPR/BU5607IM Issue Date: 07/09/2006 Effective Date: 07/09/2006 Last date noted as effective: 29/10/2024 Status: Superseded
W	330m SE	Operator: TRADEBE MINERALS RECYCLING LIMITED Installation Name: Minerals Resource Management EPR/CP3690LE Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING RECYCLING OR RECLAMATION OF INORGANIC MATERIALS OTHER THAN METALS OR METAL COMPOUNDS Permit Number: CP3690LE Original Permit Number: JP3837HX	EPR Reference: EPR/CP3690LE Issue Date: 16/02/2015 Effective Date: 16/02/2015 Last date noted as effective: 29/10/2024 Status: Effective
W	330m SE	Operator: Tradebe Minerals Recycling Limited Installation Name: Minerals Resource Management EPR/CP3690LE Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING RECYCLING OR RECLAMATION OF INORGANIC MATERIALS OTHER THAN METALS OR METAL COMPOUNDS Permit Number: LP3030AR Original Permit Number: JP3837HX	EPR Reference: - Issue Date: 16/02/2015 Effective Date: 16/02/2015 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
W	330m SE	Operator: TRADEBE MINERALS RECYCLING LIMITED Installation Name: Minerals Resource Management EPR/CP3690LE Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING RECYCLING OR RECLAMATION OF INORGANIC MATERIALS OTHER THAN METALS OR METAL COMPOUNDS Permit Number: XP3231EW Original Permit Number: JP3837HX	EPR Reference: - Issue Date: 15/01/2014 Effective Date: 15/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded
W	330m SE	Operator: ames Goldsmith (UK) Ltd Installation Name: Kirkby, photochemical manufacturing Process: INORGANIC CHEMICALS; HALOGENS ETC OR HALOGEN/OXYGEN COMPOUNDS ETC Permit Number: XP3334MT Original Permit Number: XP3334MT	EPR Reference: - Issue Date: 05/12/2008 Effective Date: 05/12/2008 Last date noted as effective: 21/03/2023 Status: Superseded
X	334m SE	Operator: AMES GOLDSMITH U.K. LIMITED Installation Name: Kirkby Silver Nitrate Manufacturing - EPR/XP3334MT Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: XP3334MT Original Permit Number: XP3334MT	EPR Reference: EPR/XP3334MT Issue Date: 19/12/2012 Effective Date: 19/12/2012 Last date noted as effective: 29/10/2024 Status: Effective
X	334m SE	Operator: AMES GOLDSMITH UK LIMITED Installation Name: KIRKBY SILVER NITRATE MANUFACTURING - EPR/XP3334MT Process: INORGANIC CHEMICALS; HALOGENS ETC OR HALOGEN/OXYGEN COMPOUNDS ETC Permit Number: DP3937FP Original Permit Number: XP3334MT	EPR Reference: - Issue Date: 19/12/2012 Effective Date: 19/12/2012 Last date noted as effective: 15/05/2020 Status: EFFECTIVE
X	334m SE	Operator: Ames Goldsmith UK Limited Installation Name: Kirkby Silver Nitrate Manufacturing - EPR/XP3334MT Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: DP3937FP Original Permit Number: XP3334MT	EPR Reference: - Issue Date: 19/12/2012 Effective Date: 19/12/2012 Last date noted as effective: 21/03/2023 Status: Effective
6	351m E	Operator: TRADEBE MINERALS RECYCLING LIMITED Installation Name: Minerals Resource Management EPR/CP3690LE Process: RECOVERY OF WASTE; HAZARDOUS WASTE >10T/D BY RECYCLING INORGANICS (NOT METALS) Permit Number: PP3039CR Original Permit Number: JP3837HX	EPR Reference: - Issue Date: 30/01/2012 Effective Date: 30/01/2012 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
Y	364m NE	Operator: SRCL LIMITED Installation Name: SRCL Knowsley Treatment and Transfer Station Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: KP3436NL Original Permit Number: KP3436NL	EPR Reference: EPR/KP3436NL Issue Date: 04/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 29/10/2024 Status: Effective
Y	364m NE	Operator: SRCL LIMITED Installation Name: SRCL Knowsley Treatment and Transfer Station Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: KP3436NL Original Permit Number: KP3436NL	EPR Reference: EPR/KP3436NL Issue Date: 04/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 29/10/2024 Status: Effective
Y	364m NE	Operator: SRCL LIMITED Installation Name: SRCL Knowsley Treatment and Transfer Station Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S5.2 PENDING ACTIVITIES LISTED IN S5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: KP3436NL Original Permit Number: KP3436NL	EPR Reference: EPR/KP3436NL Issue Date: 04/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 29/10/2024 Status: Effective
Y	364m NE	Operator: SRCL LIMITED Installation Name: SRCL Knowsley Treatment and Transfer Station Process: DIRECTLY ASSOCIATED ACTIVITY (INCLUDED) Permit Number: KP3436NL Original Permit Number: KP3436NL	EPR Reference: EPR/KP3436NL Issue Date: 04/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 29/10/2024 Status: Effective
Y	364m NE	Operator: SRCL LIMITED Installation Name: SRCL Knowsley Treatment and Transfer Station Process: DIRECTLY ASSOCIATED ACTIVITY (INCLUDED) Permit Number: KP3436NL Original Permit Number: KP3436NL	EPR Reference: EPR/KP3436NL Issue Date: 04/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 29/10/2024 Status: Effective
Y	364m NE	Operator: SRCL LIMITED Installation Name: SRCL Knowsley Treatment and Transfer Station Process: DIRECTLY ASSOCIATED ACTIVITY (INCLUDED) Permit Number: KP3436NL Original Permit Number: KP3436NL	EPR Reference: EPR/KP3436NL Issue Date: 04/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 29/10/2024 Status: Effective



ID	Location	Details	
Y	364m NE	Operator: SRCL LIMITED Installation Name: SRCL Knowsley Treatment and Transfer Station Process: DIRECTLY ASSOCIATED ACTIVITY (INCLUDED) Permit Number: KP3436NL Original Permit Number: KP3436NL	EPR Reference: EPR/KP3436NL Issue Date: 04/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 29/10/2024 Status: Effective
Y	364m NE	Operator: SRCL LIMITED Installation Name: SRCL Knowsley Treatment and Transfer Station Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: KP3436NL Original Permit Number: KP3436NL	EPR Reference: EPR/KP3436NL Issue Date: 04/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 29/10/2024 Status: Effective
Y	364m NE	Operator: SRCL LIMITED Installation Name: SRCL Knowsley Treatment and Transfer Station Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: KP3436NL Original Permit Number: KP3436NL	EPR Reference: EPR/KP3436NL Issue Date: 04/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 29/10/2024 Status: Effective
Y	364m NE	Operator: SRCL LIMITED Installation Name: SRCL Knowsley Treatment and Transfer Station Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: KP3436NL Original Permit Number: KP3436NL	EPR Reference: EPR/KP3436NL Issue Date: 13/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 23/11/2023 Status: Effective
Y	364m NE	Operator: SRCL LIMITED Installation Name: SRCL Knowsley Treatment and Transfer Station Process: ASSOCIATED PROCESS Permit Number: KP3436NL Original Permit Number: KP3436NL	EPR Reference: EPR/KP3436NL Issue Date: 13/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 23/11/2023 Status: Effective
Y	364m NE	Operator: SRCL LIMITED Installation Name: SRCL Knowsley Treatment and Transfer Station Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: KP3436NL Original Permit Number: KP3436NL	EPR Reference: EPR/KP3436NL Issue Date: 13/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 23/11/2023 Status: Effective



ID	Location	Details	
Y	364m NE	Operator: SRCL Limited Installation Name: SRCL Knowsley Treatment and Transfer Station Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: DP3040QM Original Permit Number: KP3436NL	EPR Reference: - Issue Date: 04/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 21/03/2023 Status: Effective
Y	364m NE	Operator: SRCL Limited Installation Name: SRCL Knowsley Treatment and Transfer Station Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: DP3040QM Original Permit Number: KP3436NL	EPR Reference: - Issue Date: 04/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 21/03/2023 Status: Effective
Y	364m NE	Operator: SRCL Limited Installation Name: SRCL Knowsley Treatment and Transfer Station Process: ASSOCIATED PROCESS Permit Number: DP3040QM Original Permit Number: KP3436NL	EPR Reference: - Issue Date: 04/10/2022 Effective Date: 13/10/2022 Last date noted as effective: 21/03/2023 Status: Effective
Y	364m NE	Operator: SRCL Limited Installation Name: SRCL Knowsley Treatment and Transfer Station Process: ASSOCIATED PROCESS Permit Number: NP3537RN Original Permit Number: KP3436NL	EPR Reference: - Issue Date: 09/06/2016 Effective Date: 09/06/2016 Last date noted as effective: 21/03/2023 Status: Superseded
Y	364m NE	Operator: SRCL Limited Installation Name: SRCL Knowsley Treatment and Transfer Station Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: NP3537RN Original Permit Number: KP3436NL	EPR Reference: - Issue Date: 09/06/2016 Effective Date: 09/06/2016 Last date noted as effective: 21/03/2023 Status: Superseded
Y	364m NE	Operator: SRCL Limited Installation Name: Knowsley Treatment and Transfer Station - EPR/KP3436NL Process: ASSOCIATED PROCESS Permit Number: NP3439DS Original Permit Number: KP3436NL	EPR Reference: - Issue Date: 09/08/2016 Effective Date: 09/08/2016 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
Y	364m NE	Operator: SRCL Limited Installation Name: Knowsley Treatment and Transfer Station - EPR/KP3436NL Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: NP3439DS Original Permit Number: KP3436NL	EPR Reference: - Issue Date: 09/08/2016 Effective Date: 09/08/2016 Last date noted as effective: 21/03/2023 Status: Superseded
Y	364m NE	Operator: SRCL Limited Installation Name: SRCL Knowsley Treatment and Transfer Station Process: ASSOCIATED PROCESS Permit Number: TP3537QR Original Permit Number: KP3436NL	EPR Reference: - Issue Date: 21/05/2019 Effective Date: 21/05/2019 Last date noted as effective: 21/03/2023 Status: Superseded
Y	364m NE	Operator: SRCL Limited Installation Name: Knowsley Treatment and Transfer Station - EPR/KP3436NL Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: NP3439DS Original Permit Number: KP3436NL	EPR Reference: - Issue Date: 09/08/2016 Effective Date: 09/08/2016 Last date noted as effective: 21/03/2023 Status: Superseded
Y	364m NE	Operator: SRCL Limited Installation Name: SRCL Knowsley Treatment and Transfer Station Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: NP3537RN Original Permit Number: KP3436NL	EPR Reference: - Issue Date: 09/06/2016 Effective Date: 09/06/2016 Last date noted as effective: 21/03/2023 Status: Superseded
Y	364m NE	Operator: SRCL Limited Installation Name: SRCL Knowsley Treatment and Transfer Station Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: TP3537QR Original Permit Number: KP3436NL	EPR Reference: - Issue Date: 21/05/2019 Effective Date: 21/05/2019 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
Y	364m NE	Operator: SRCL Limited Installation Name: SRCL Knowsley Treatment and Transfer Station Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: TP3537QR Original Permit Number: KP3436NL	EPR Reference: - Issue Date: 21/05/2019 Effective Date: 21/05/2019 Last date noted as effective: 21/03/2023 Status: Superseded
Z	372m S	Operator: FOURWAY MANAGEMENT LIMITED Installation Name: Neston Tank Cleaners Process: ASSOCIATED PROCESS Permit Number: AP3137SA Original Permit Number: AP3137SA	EPR Reference: EPR/AP3137SA Issue Date: 31/07/2006 Effective Date: 31/07/2006 Last date noted as effective: 29/10/2024 Status: Superseded
Z	372m S	Operator: FOURWAY MANAGEMENT LIMITED Installation Name: Neston Tank Cleaners Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: AP3137SA Original Permit Number: AP3137SA	EPR Reference: EPR/AP3137SA Issue Date: 31/07/2006 Effective Date: 31/07/2006 Last date noted as effective: 29/10/2024 Status: Superseded
Z	372m S	Operator: FOURWAY MANAGEMENT LIMITED Installation Name: Neston Tank Cleaners Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: AP3137SA Original Permit Number: AP3137SA	EPR Reference: EPR/AP3137SA Issue Date: 31/07/2006 Effective Date: 31/07/2006 Last date noted as effective: 29/10/2024 Status: Superseded
Z	372m S	Operator: FOURWAY MANAGEMENT LIMITED Installation Name: Neston Tank Cleaners Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: AP3137SA Original Permit Number: AP3137SA	EPR Reference: EPR/AP3137SA Issue Date: 31/07/2006 Effective Date: 31/07/2006 Last date noted as effective: 29/10/2024 Status: Superseded
Z	372m S	Operator: AVANTI ENVIRONMENTAL GROUP LIMITED Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: ASSOCIATED PROCESS Permit Number: XP3038HX Original Permit Number: XP3038HX	EPR Reference: EPR/XP3038HX Issue Date: 23/11/2018 Effective Date: 23/11/2018 Last date noted as effective: 29/10/2024 Status: Effective



ID	Location	Details	
Z	372m S	Operator: AVANTI ENVIRONMENTAL GROUP LIMITED Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: XP3038HX Original Permit Number: XP3038HX	EPR Reference: EPR/XP3038HX Issue Date: 23/11/2018 Effective Date: 23/11/2018 Last date noted as effective: 29/10/2024 Status: Effective
Z	372m S	Operator: AVANTI ENVIRONMENTAL GROUP LIMITED Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: XP3038HX Original Permit Number: XP3038HX	EPR Reference: EPR/XP3038HX Issue Date: 23/11/2018 Effective Date: 23/11/2018 Last date noted as effective: 29/10/2024 Status: Effective
Z	372m S	Operator: AVANTI ENVIRONMENTAL GROUP LIMITED Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: XP3038HX Original Permit Number: XP3038HX	EPR Reference: EPR/XP3038HX Issue Date: 23/11/2018 Effective Date: 23/11/2018 Last date noted as effective: 29/10/2024 Status: Effective
Z	372m S	Operator: AVANTI ENVIRONMENTAL GROUP LIMITED Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: XP3038HX Original Permit Number: XP3038HX	EPR Reference: EPR/XP3038HX Issue Date: 23/11/2018 Effective Date: 23/11/2018 Last date noted as effective: 29/10/2024 Status: Effective
Z	372m S	Operator: AVANTI ENVIRONMENTAL GROUP LIMITED Installation Name: AVANTI TREATMENT AND TRANSFER CENTRE EPR/XP3038HX Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING BIOLOGICAL TREATMENT Permit Number: SP3538EK Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 10/01/2014 Effective Date: 10/01/2014 Last date noted as effective: 15/07/2017 Status: EFFECTIVE



ID	Location	Details	
Z	372m S	Operator: Avanti Environmental Group Ltd Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: XP3038HX Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 16/11/2010 Effective Date: 16/11/2010 Last date noted as effective: 21/03/2023 Status: Superseded
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: ASSOCIATED PROCESS Permit Number: GP3831FZ Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 20/04/2012 Effective Date: 20/04/2012 Last date noted as effective: 21/03/2023 Status: Superseded
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: ASSOCIATED PROCESS Permit Number: SP3538EK Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 10/01/2014 Effective Date: 10/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: SP3538EK Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 10/01/2014 Effective Date: 10/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: XP3131QL Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 23/11/2018 Effective Date: 23/11/2018 Last date noted as effective: 21/03/2023 Status: Effective
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: SP3538EK Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 10/01/2014 Effective Date: 10/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: SP3538EK Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 10/01/2014 Effective Date: 10/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: XP3131QL Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 23/11/2018 Effective Date: 23/11/2018 Last date noted as effective: 21/03/2023 Status: Effective
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: XP3131QL Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 23/11/2018 Effective Date: 23/11/2018 Last date noted as effective: 21/03/2023 Status: Effective
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: XP3131QL Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 23/11/2018 Effective Date: 23/11/2018 Last date noted as effective: 21/03/2023 Status: Effective
Z	372m S	Operator: Avanti Environmental Group Ltd Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: XP3038HX Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 16/11/2010 Effective Date: 16/11/2010 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: SP3538EK Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 10/01/2014 Effective Date: 10/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded
Z	372m S	Operator: Avanti Environmental Group Ltd Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: XP3038HX Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 16/11/2010 Effective Date: 16/11/2010 Last date noted as effective: 21/03/2023 Status: Superseded
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: GP3831FZ Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 20/04/2012 Effective Date: 20/04/2012 Last date noted as effective: 21/03/2023 Status: Superseded
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: GP3831FZ Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 20/04/2012 Effective Date: 20/04/2012 Last date noted as effective: 21/03/2023 Status: Superseded
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: GP3831FZ Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 20/04/2012 Effective Date: 20/04/2012 Last date noted as effective: 21/03/2023 Status: Superseded
Z	372m S	Operator: Avanti Environmental Group Limited Installation Name: Avanti Treatment and Transfer Centre EPR/XP3038HX Process: ASSOCIATED PROCESS Permit Number: XP3131QL Original Permit Number: XP3038HX	EPR Reference: - Issue Date: 23/11/2018 Effective Date: 23/11/2018 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
7	377m SE	Operator: Minerals Resource Management Ltd Installation Name: Minerals Resource Management EPR/CP3690LE Process: RECOVERY OF WASTE; HAZARDOUS WASTE >10T/D BY RECYCLING INORGANICS (NOT METALS) Permit Number: JP3837HX Original Permit Number: JP3837HX	EPR Reference: - Issue Date: 21/11/2011 Effective Date: 21/11/2011 Last date noted as effective: 21/03/2023 Status: Superseded
AA	378m NW	Operator: KIDDE PRODUCTS LIMITED Installation Name: Kirkby Firefighting Allophanate Plant Process: CARBON DISULPHIDE OR AMMONIA; AMMONIA RELEASE TO AIR (ANY CHEMICAL MANUFACTURE NOT REFRIDGERANT USE) Permit Number: BU5518IU Original Permit Number: BU5518IU	EPR Reference: EPR/BU5518IU Issue Date: 14/02/2014 Effective Date: 14/02/2014 Last date noted as effective: 29/10/2024 Status: Surrendered
AA	378m NW	Operator: Kidde Products Ltd Installation Name: Kirkby Firefighting Allophanate Plant Process: CARBON DISULPHIDE OR AMMONIA; AMMONIA RELEASE TO AIR (ANY CHEMICAL MANUFACTURE NOT REFRIDGERANT USE) Permit Number: KP3839EK Original Permit Number: BU5518IU	EPR Reference: - Issue Date: - Effective Date: 14/02/2014 Last date noted as effective: 21/03/2023 Status: Surrender Effective
11	436m SW	Operator: RENTOKIL INITIAL UK LTD Installation Name: Kirkby Rodent Bait Manufacture - EPR/BU5623IJ Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BU5623IJ Original Permit Number: BU5623IJ	EPR Reference: EPR/BU5623IJ Issue Date: 30/03/2007 Effective Date: 30/03/2007 Last date noted as effective: 29/10/2024 Status: Effective
AD	485m NE	Operator: SYNTOR FINE CHEMICALS LIMITED Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; DYES AND PIGMENTS Permit Number: BU4376IS Original Permit Number: BU4376IS	EPR Reference: EPR/BU4376IS Issue Date: 14/07/2011 Effective Date: 14/07/2011 Last date noted as effective: 29/10/2024 Status: Surrendered
AD	485m NE	Operator: SYNTOR FINE CHEMICALS LIMITED Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: BU4376IS Original Permit Number: BU4376IS	EPR Reference: EPR/BU4376IS Issue Date: 14/07/2011 Effective Date: 14/07/2011 Last date noted as effective: 29/10/2024 Status: Surrendered
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; DYES AND PIGMENTS Permit Number: CP3235XQ Original Permit Number: BU4376IS	EPR Reference: - Issue Date: 04/02/2009 Effective Date: 04/02/2009 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: TP3633HM Original Permit Number: BU4376IS	EPR Reference: - Issue Date: - Effective Date: 14/07/2011 Last date noted as effective: 21/03/2023 Status: Surrender Effective
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: TP3633HM Original Permit Number: BU4376IS	EPR Reference: - Issue Date: - Effective Date: 14/07/2011 Last date noted as effective: 21/03/2023 Status: Surrender Effective
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; DYES AND PIGMENTS Permit Number: CP3633TQ Original Permit Number: BU4376IS	EPR Reference: - Issue Date: 22/03/2010 Effective Date: 22/03/2010 Last date noted as effective: 21/03/2023 Status: Superseded
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: CP3235XQ Original Permit Number: BU4376IS	EPR Reference: - Issue Date: 04/02/2009 Effective Date: 04/02/2009 Last date noted as effective: 21/03/2023 Status: Superseded
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: CP3235XQ Original Permit Number: BU4376IS	EPR Reference: - Issue Date: 04/02/2009 Effective Date: 04/02/2009 Last date noted as effective: 21/03/2023 Status: Superseded
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: CP3633TQ Original Permit Number: BU4376IS	EPR Reference: - Issue Date: 22/03/2010 Effective Date: 22/03/2010 Last date noted as effective: 21/03/2023 Status: Superseded
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: CP3633TQ Original Permit Number: BU4376IS	EPR Reference: - Issue Date: 22/03/2010 Effective Date: 22/03/2010 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: CP3633TQ Original Permit Number: BU4376IS	EPR Reference: - Issue Date: 22/03/2010 Effective Date: 22/03/2010 Last date noted as effective: 21/03/2023 Status: Superseded
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; DYES AND PIGMENTS Permit Number: TP3633HM Original Permit Number: BU4376IS	EPR Reference: - Issue Date: - Effective Date: 14/07/2011 Last date noted as effective: 21/03/2023 Status: Surrender Effective
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: CP3235XQ Original Permit Number: BU4376IS	EPR Reference: - Issue Date: 04/02/2009 Effective Date: 04/02/2009 Last date noted as effective: 21/03/2023 Status: Superseded
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: CP3235XQ Original Permit Number: BU4376IS	EPR Reference: - Issue Date: 04/02/2009 Effective Date: 04/02/2009 Last date noted as effective: 21/03/2023 Status: Superseded
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: CP3633TQ Original Permit Number: BU4376IS	EPR Reference: - Issue Date: 22/03/2010 Effective Date: 22/03/2010 Last date noted as effective: 21/03/2023 Status: Superseded
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: TP3633HM Original Permit Number: BU4376IS	EPR Reference: - Issue Date: - Effective Date: 14/07/2011 Last date noted as effective: 21/03/2023 Status: Surrender Effective
AD	485m NE	Operator: Syntor Fine Chemicals Ltd Installation Name: Kirkby Intermediates Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: TP3633HM Original Permit Number: BU4376IS	EPR Reference: - Issue Date: - Effective Date: 14/07/2011 Last date noted as effective: 21/03/2023 Status: Surrender Effective



ID	Location	Details	
AE	490m W	Operator: FACI UK LIMITED Installation Name: Knowsley Stearate Plant Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: ZP3839LX Original Permit Number: ZP3839LX	EPR Reference: EPR/ZP3839LX Issue Date: 08/12/2006 Effective Date: 08/12/2006 Last date noted as effective: 29/10/2024 Status: Superseded
AE	490m W	Operator: FACI UK CHEMICALS LIMITED Installation Name: Knowsley Stearate Plant EPR/RP3935WL Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs Permit Number: RP3935WL Original Permit Number: RP3935WL	EPR Reference: EPR/RP3935WL Issue Date: 21/10/2014 Effective Date: 21/10/2014 Last date noted as effective: 29/10/2024 Status: Effective

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

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

Records within 500m	5
----------------------------	----------

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

Features are displayed on the Current industrial land use map on [page 63](#) >

ID	Location	Address	Details	
5	323m W	Thomas Hardie, Newstet Road, Knowsley Industrial Park, Kirkby, L33 7TJ	Process: Respraying of Road Vehicles Status: Revoked Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
8	379m N	Boundary Plant, Bradman Road, Knowsley Industrial Park, Kirkby, L33 7YB	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
9	390m NW	Boundary Plant Ltd, Hammond Rd, Liverpool, L33 7UL	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
10	424m N	North West Fencing Products, Bradman Road, Knowsley Industrial Estate, Kirkby, L33 7UR	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
15	498m S	Cubis, Units 3-5 Yardley Road, Knowsley Industrial Park, L33 7SS	Process: Chemical & Acid Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	1
----------------------------	----------

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

Features are displayed on the Current industrial land use map on [page 63 >](#)

ID	Location	Address	Details	
A	On site	Stockpit Road, Knowsley Industrial Park, Knowsley, L33 7TQ	Operator: Mulberry Waste Limited Type: - Permission number: MB3691DE Date of approval: -	Effective from: 16/05/2019 Last date of update: 01/01/2020 Status: Issued

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

4.13 Licensed Discharges to controlled waters

Records within 500m	1
----------------------------	----------

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

Features are displayed on the Current industrial land use map on [page 63 >](#)

ID	Location	Address	Details	
13	479m SE	NORTHPERIMETERROAD KIRKBY,SIMONSWOOD,KI RKBY,MERSEYSIDE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 016992206 Permit Version: 1 Receiving Water: SIMONSWOOD BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 26/04/1990 Revocation Date: -

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



4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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

4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m

1

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

Features are displayed on the Current industrial land use map on [page 63 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
K	162m E	Future Industrial Services Ltd, Knowsley Ind. Park, L33 7uf	Active	Any	Mercury (other), Cadmium

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

4.17 List 2 Dangerous Substances

Records within 500m

3

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

Features are displayed on the Current industrial land use map on [page 63 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
K	162m E	Future Industrial Services Ltd, Acornfield Rd, L33 7uf	Active	None	Chromium, Copper, Lead, Nickel, Zinc

ID	Location	Name	Status	Receiving Water	Authorised Substances
AC	471m W	Rentokil Ltd, Knowsley Industrial Park	Not Active	-	Dichlorvos, Permethrin, Tributyltin, Triphenyltin, Fenitrothion, Malathion
AC	471m W	Rentokil Ltd, Knowsley Industrial Park	Active	-	Arsenic, Dichlorvos, Permethrin, Tributyltin, Triphenyltin, Fenitrothion, Malathion, Organotin, Pentachlorophenol - ARCHIVE (List 1)

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

10

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

Features are displayed on the Current industrial land use map on [page 63 >](#)

ID	Location	Details	
G	104m NE	Incident Date: 14/09/2001 Incident Identification: 30831 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	104m NE	Incident Date: 14/09/2001 Incident Identification: 30838 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	109m NE	Incident Date: 14/09/2001 Incident Identification: 30823 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3	228m SE	Incident Date: 06/11/2014 Incident Identification: 1298083 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
S	279m NW	Incident Date: 18/08/2003 Incident Identification: 182970 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
P	279m SW	Incident Date: 19/09/2002 Incident Identification: 109205 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)



ID	Location	Details	
I	321m SE	Incident Date: 27/09/2016 Incident Identification: 1479097 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
AB	444m W	Incident Date: 08/01/2013 Incident Identification: 1076188 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
AB	444m W	Incident Date: 08/01/2013 Incident Identification: 1076188 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
AB	444m W	Incident Date: 08/01/2013 Incident Identification: 1076188 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m

6

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

Features are displayed on the Current industrial land use map on [page 63](#) >

ID: K, Location: 162m E, Permit: VP3936UG
 Operator: Future Industrial Services Limited
 Activity: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1
 Address: Acornfield Road Waste Management Centre Acornfield Road Knowsley Industrial Park Merseyside L33 7UF
 Sector: Waste Treatment, Sub-sector: Hazardous Waste
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	Below Reporting Threshold
Air	Particulate matter - PM10	1000kg	Below Reporting Threshold
Air	Toxaphene	1kg	Below Reporting Threshold
Air	Particulate matter - PM2.5	1000kg	Below Reporting Threshold
Air	Polychlorinated biphenyls (PCBs)	0.1kg	Below Reporting Threshold
Wastewater	Mercury	0.1kg	Below Reporting Threshold
Air	Ethylene dichloride (1,2-Dichloroethane)	1000kg	Below Reporting Threshold
Air	Asbestos	1kg	Below Reporting Threshold
Wastewater	Indeno(1,2,3-cd)pyrene	1kg	Below Reporting Threshold
Wastewater	Dichloromethane (DCM) (Methylene chloride)	10kg	Below Reporting Threshold
Wastewater	Nickel	20kg	Below Reporting Threshold
Wastewater	Zinc	100kg	Below Reporting Threshold
Air	Particulate matter - total	10000kg	Below Reporting Threshold
Air	Benzo(b)fluoranthene	1kg	Below Reporting Threshold
Air	Hydrogen cyanide	100kg	Below Reporting Threshold
Wastewater	Benzo(a)pyrene	1kg	Below Reporting Threshold
Wastewater	Benzo(b)fluoranthene	1kg	Below Reporting Threshold
Wastewater	Benzo(k)fluoranthene	1kg	Below Reporting Threshold
Wastewater	Nonylphenols and nonylphenol ethoxylates	1kg	Below Reporting Threshold
Wastewater	Octylphenols and octylphenol ethoxylates	1kg	Below Reporting Threshold
Wastewater	Polychlorinated biphenyls (PCBs) - as WHO TEQ	0.0001kg	Below Reporting Threshold
Air	Trichlorobenzene - all isomers	1kg	Below Reporting Threshold
Air	Brominated diphenylethers - penta-, octa- and deca- BDE	10kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	1e-5kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Wastewater	Cypermethrin	0.005kg	Below Reporting Threshold
Wastewater	Diuron	0.05kg	Below Reporting Threshold
Wastewater	Di(2-ethylhexyl)phthalate (DEHP)	0.1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Hexabromocyclododecane	0.1kg	Below Reporting Threshold
Wastewater	Isoproturon	0.01kg	Below Reporting Threshold
Wastewater	Brominated diphenylethers - penta-, octa- and deca- BDE	0.1kg	Below Reporting Threshold
Wastewater	Chlorides - as Cl	2000000kg	Below Reporting Threshold
Wastewater	Cyanides - as CN	50kg	Below Reporting Threshold
Wastewater	Fluorides - as F	2000kg	Below Reporting Threshold
Wastewater	Halogenated organic compounds - as AOX	1000kg	Below Reporting Threshold
Wastewater	Nitrogen - as total N	50000kg	Below Reporting Threshold
Wastewater	Organotin compounds - as Sn	5kg	Below Reporting Threshold
Wastewater	Phenols - total as C	20kg	Below Reporting Threshold
Wastewater	Phosphorus - as total P	5000kg	Below Reporting Threshold
Wastewater	Polychlorinated biphenyls (PCBs)	0.001kg	Below Reporting Threshold
Wastewater	Short chain (C10-13) chlorinated paraffins (SCCPs)	0.1kg	Below Reporting Threshold
Wastewater	Total organic carbon (TOC)	50000kg	Below Reporting Threshold
Air	Carbon dioxide	10000000kg	Below Reporting Threshold
Wastewater	Asbestos	0.1kg	Below Reporting Threshold
Wastewater	Alachlor	0.1kg	Below Reporting Threshold
Wastewater	Anthracene	0.1kg	Below Reporting Threshold
Wastewater	Benzo(g,h,i)perylene	0.1kg	Below Reporting Threshold
Wastewater	Chlordane	0.1kg	Below Reporting Threshold
Wastewater	Chlordecone	0.1kg	Below Reporting Threshold
Wastewater	Chlorfenvinphos	0.1kg	Below Reporting Threshold
Wastewater	Ethylene oxide (1,2 Epoxyethane)	1kg	Below Reporting Threshold
Wastewater	Fluoranthene	0.1kg	Below Reporting Threshold
Wastewater	Heptachlor	0.1kg	Below Reporting Threshold
Wastewater	Hexabromobiphenyl	0.1kg	Below Reporting Threshold
Wastewater	Isodrin	0.0005kg	Below Reporting Threshold
Wastewater	Lindane	0.1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Mirex	0.1kg	Below Reporting Threshold
Wastewater	Pentachlorobenzene	0.1kg	Below Reporting Threshold
Wastewater	Perfluoro octanyl sulphate (PFOS)	0.1kg	Below Reporting Threshold
Wastewater	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	0.0001kg	Below Reporting Threshold
Wastewater	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	0.0001kg	Below Reporting Threshold
Wastewater	Triphenyltin and compounds - as TPT	0.1kg	Below Reporting Threshold
Wastewater	Hexachlorocyclohexane (HCH) -all isomers	0.01kg	Below Reporting Threshold
Wastewater	Hexachlorobutadiene	0.1kg	Below Reporting Threshold
Wastewater	Aldrin	0.0005kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrous oxide	10000kg	Below Reporting Threshold
Air	Methane	10000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Sulphur hexafluoride	10kg	Below Reporting Threshold
Air	Tetrachloroethane (1,1,2,2-Tetrachloroethane)	10kg	Below Reporting Threshold
Air	Perfluorocarbons (PFCs)	10kg	Below Reporting Threshold
Air	Anthracene	10kg	Below Reporting Threshold
Air	Benzene	1000kg	Below Reporting Threshold
Air	Butadiene (1,3-Butadiene)	100kg	Below Reporting Threshold
Air	Trichloroethylene	1000kg	Below Reporting Threshold
Air	Arsenic	1kg	Below Reporting Threshold
Air	Tetrachloroethylene (PER)	100kg	Below Reporting Threshold
Air	Methyl chloroform (1,1,1-Trichloroethane)	10kg	Below Reporting Threshold
Air	Cadmium	1kg	Below Reporting Threshold
Air	Chromium	10kg	Below Reporting Threshold
Air	Copper	10kg	Below Reporting Threshold
Air	Lead	100kg	Below Reporting Threshold
Air	Mercury	1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nickel	10kg	Below Reporting Threshold
Air	Selenium	100kg	Below Reporting Threshold
Air	Zinc	100kg	Below Reporting Threshold
Wastewater	Atrazine	0.05kg	Below Reporting Threshold
Wastewater	Dichlorodiphenyltrichloroethane (DDT)	0.0005kg	Below Reporting Threshold
Wastewater	Dichlorvos	0.0005kg	Below Reporting Threshold
Wastewater	Dieldrin	0.0005kg	Below Reporting Threshold
Air	Vinyl chloride	1000kg	Below Reporting Threshold
Wastewater	Hexachlorobenzene (HCB)	0.01kg	Below Reporting Threshold
Wastewater	Arsenic	5kg	Below Reporting Threshold
Wastewater	Cadmium	1kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold
Wastewater	Copper	20kg	Below Reporting Threshold
Wastewater	Lead	20kg	Below Reporting Threshold
Wastewater	Chlorpyrifos	0.1kg	Below Reporting Threshold
Air	Chlorine and inorganic chlorine compounds - as HCl	10000kg	Below Reporting Threshold
Air	Fluorine and inorganic fluorine compounds - as HF	1000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Wastewater	Ethyl benzene	10kg	Below Reporting Threshold
Air	Dichloromethane (DCM) (Methylene chloride)	1000kg	Below Reporting Threshold
Air	Benzo(k)fluoranthene	1kg	Below Reporting Threshold
Air	Dieldrin	1kg	Below Reporting Threshold
Air	Chlordane	1kg	Below Reporting Threshold
Air	Chlordecone	1kg	Below Reporting Threshold
Air	Endrin	1kg	Below Reporting Threshold
Air	Hexachlorobenzene (HCB)	1kg	Below Reporting Threshold
Air	Hexachlorocyclohexane (HCH) -all isomers	1kg	Below Reporting Threshold
Air	Pentachlorophenol (PCP)	1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon tetrachloride (Tetrachloromethane)	10kg	Below Reporting Threshold
Air	Di(2-ethylhexyl)phthalate (DEHP)	10kg	Below Reporting Threshold
Air	Ethylene oxide (1,2 Epoxyethane)	1000kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	1e-5kg	Below Reporting Threshold
Air	Hydrofluorocarbons (HFCs)	100kg	Below Reporting Threshold
Air	Hydrochlorofluorocarbons (HCFCs)	1kg	Below Reporting Threshold
Air	Chlorofluorocarbons (CFCs)	1kg	Below Reporting Threshold
Air	Halons	1kg	Below Reporting Threshold
Air	Polychlorinated biphenyls (PCBs) - as WHO TEQ	1e-5kg	Below Reporting Threshold
Air	Aldrin	1kg	Below Reporting Threshold
Air	Benzo(a)pyrene	1kg	Below Reporting Threshold
Air	Chloroform (Trichloromethane)	100kg	Below Reporting Threshold
Air	Dichlorodiphenyltrichloroethane (DDT)	1kg	Below Reporting Threshold
Wastewater	Endosulfan	0.0005kg	Below Reporting Threshold
Wastewater	Endrin	0.0005kg	Below Reporting Threshold
Wastewater	Naphthalene	1kg	Below Reporting Threshold
Wastewater	Pentachlorophenol (PCP)	0.05kg	Below Reporting Threshold
Wastewater	Tributyltin and compounds - as TBT	0.005kg	Below Reporting Threshold
Wastewater	Benzene	10kg	Below Reporting Threshold
Wastewater	Carbon tetrachloride (Tetrachloromethane)	1kg	Below Reporting Threshold
Wastewater	Chloroform (Trichloromethane)	5kg	Below Reporting Threshold
Wastewater	Ethylene dichloride (1,2-Dichloroethane)	10kg	Below Reporting Threshold
Air	Heptachlor	1kg	Below Reporting Threshold
Air	Hexabromobiphenyl	0.1kg	Below Reporting Threshold
Air	Indeno(1,2,3-cd)pyrene	1kg	Below Reporting Threshold
Air	Lindane	1kg	Below Reporting Threshold
Air	Mirex	1kg	Below Reporting Threshold
Air	Naphthalene	100kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Pentachlorobenzene	1kg	Below Reporting Threshold

ID: P, Location: 246m SW, Permit: BU4589IZ
Operator: QUALITECH ENVIRONMENTAL SERVICES LTD
Activity: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs
Address: Baker Petrolite Kirkby Bank Road Merseyside L33 7SY
Sector: Chemicals, Sub-sector: Chemicals
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	Below Reporting Threshold
Air	Particulate matter - total	10000kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Air	Carbon dioxide	10000000kg	Below Reporting Threshold
Air	Naphthalene	100kg	Below Reporting Threshold
Air	Nitrous oxide	10000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Chlorine and inorganic chlorine compounds - as HCl	10000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold

ID: R, Location: 275m E, Permit: WP3439QP
Operator: Surface Transforms PLC
Activity: the activity of making charcoal
Address: Image Business Park Acornfield Road Knowsley Industrial Park L33 7UF
Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	Below Reporting Threshold
Air	Particulate matter - total	10000kg	Below Reporting Threshold
Air	Benzo(b)fluoranthene	1kg	Below Reporting Threshold
Air	Hydrogen cyanide	100kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Benzo(k)fluoranthene	1kg	Below Reporting Threshold
Air	Benzo(a)pyrene	1kg	Below Reporting Threshold
Air	Indeno(1,2,3-cd)pyrene	1kg	Below Reporting Threshold
Air	Naphthalene	100kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Methane	10000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Benzene	1000kg	Below Reporting Threshold

ID: X, Location: 334m SE, Permit: XP3334MT
 Operator: Ames Goldsmith UK Limited
 Activity: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE
 Address: Kirkby Silver Nitrate Manufacturing, Ames Goldsmith Ltd Acornfield Road Knowsley Industrial Park Merseyside L33 7UF
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Cadmium	1kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold
Wastewater	Copper	20kg	Below Reporting Threshold
Wastewater	Lead	20kg	Below Reporting Threshold
Wastewater	Mercury	0.1kg	Below Reporting Threshold
Wastewater	Nickel	20kg	Below Reporting Threshold
Wastewater	Zinc	100kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold

ID: Z, Location: 372m S, Permit: XP3038HX
 Operator: Avanti Environmental Group Limited
 Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
 Address: Knowsley Industrial Park North Charleywood Road Knowsley Merseyside L33 7SG
 Sector: Waste Treatment, Sub-sector: Hazardous Waste
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	Below Reporting Threshold
Wastewater	Mercury	0.1kg	Below Reporting Threshold
Wastewater	Dichloromethane (DCM) (Methylene chloride)	10kg	Below Reporting Threshold
Wastewater	Nickel	20kg	Below Reporting Threshold
Wastewater	Zinc	100kg	Below Reporting Threshold
Wastewater	Chlorides - as Cl	2000000kg	Below Reporting Threshold
Wastewater	Cyanides - as CN	50kg	Below Reporting Threshold
Wastewater	Halogenated organic compounds - as AOX	1000kg	Below Reporting Threshold
Wastewater	Phenols - total as C	20kg	Below Reporting Threshold
Wastewater	Phosphorus - as total P	5000kg	Below Reporting Threshold
Wastewater	Tetrachloroethylene (PER)	1kg	Below Reporting Threshold
Wastewater	Trichloroethylene	1kg	Below Reporting Threshold
Wastewater	Arsenic	5kg	Below Reporting Threshold
Wastewater	Cadmium	1kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold
Wastewater	Copper	20kg	Below Reporting Threshold
Wastewater	Lead	20kg	Below Reporting Threshold
Wastewater	Naphthalene	1kg	Below Reporting Threshold
Wastewater	Tributyltin and compounds - as TBT	0.005kg	Below Reporting Threshold
Wastewater	Benzene	10kg	Below Reporting Threshold
Wastewater	Carbon tetrachloride (Tetrachloromethane)	1kg	Below Reporting Threshold
Wastewater	Chloroform (Trichloromethane)	5kg	Below Reporting Threshold
Wastewater	Ethylene dichloride (1,2-Dichloroethane)	10kg	Below Reporting Threshold
Wastewater	Toluene	10kg	Below Reporting Threshold
Wastewater	Xylene - all isomers	10kg	Below Reporting Threshold



ID: AE, Location: 490m W, Permit: RP3935WL
 Operator: FACI UK Chemicals Limited
 Activity: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs
 Address: Knowsley Industrial Park Ashcroft Road LIVERPOOL Merseyside L33 7TW
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Zinc	100kg	Below Reporting Threshold
Air	Particulate matter - total	10000kg	Below Reporting Threshold
Wastewater	Total organic carbon (TOC)	50000kg	Below Reporting Threshold
Air	Zinc	100kg	Below Reporting Threshold

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

4.20 Pollution inventory waste transfers

Records within 500m	8
----------------------------	----------

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

Features are displayed on the Current industrial land use map on [page 63 >](#)

ID: D, Location: 70m S, Permit: ZP3439RM
 Operator: Mulberry Waste Limited
 Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
 Address: Knowsley Waste Facility Stockpit Road Knowsley Industrial Park Merseyside L33 7TQ
 Sector: Waste Treatment, Sub-sector: Hazardous Waste
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	4.38	Absolute Value	15 01 02	plastic packaging	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.6	Absolute Value	15 01 02	plastic packaging	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	4.68	Absolute Value	15 01 03	wooden packaging	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	0.504	Absolute Value	15 01 06	mixed packaging	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3.15	Absolute Value	15 01 06	mixed packaging	No
R4	Recycling/reclamation of metals and metal compounds	18.933	Absolute Value	16 06 04	alkaline batteries (except 16 06 03)	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	69.669	Absolute Value	16 06 05	other batteries and accumulators	No
R4	Recycling/reclamation of metals and metal compounds	17.702	Absolute Value	16 06 05	other batteries and accumulators	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	31.157	Absolute Value	19 02 03	premixed wastes composed only of non-hazardous wastes	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.041	Absolute Value	19 12 02	ferrous metal	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	4	Absolute Value	19 12 05	glass	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.54	Absolute Value	20 03 01	mixed municipal waste	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.676	Absolute Value	16 02 11	discarded equipment containing chlorofluorocarbons, HCFC, HFC	Yes
R4	Recycling/reclamation of metals and metal compounds	4.653	Absolute Value	16 02 11	discarded equipment containing chlorofluorocarbons, HCFC, HFC	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3.054	Absolute Value	16 02 13	discarded equipment containing hazardous components (2) other than those mentioned in 16 02 09 to 16 02 12	Yes
R4	Recycling/reclamation of metals and metal compounds	3.044	Absolute Value	16 02 13	discarded equipment containing hazardous components (2) other than those mentioned in 16 02 09 to 16 02 12	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.15	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	30.477	Absolute Value	16 06 02	Ni-Cd batteries	Yes
R4	Recycling/reclamation of metals and metal compounds	48.29	Absolute Value	16 06 02	Ni-Cd batteries	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.442	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	18.947	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes
R4	Recycling/reclamation of metals and metal compounds	29.978	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.585	Absolute Value	20 01 33	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	Yes
R4	Recycling/reclamation of metals and metal compounds	10.087	Absolute Value	20 01 33	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	49.3	Absolute Value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes
R4	Recycling/reclamation of metals and metal compounds	224.04	Absolute Value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes

ID: K, Location: 162m E, Permit: VP3936UG
 Operator: Future Industrial Services Limited
 Activity: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1
 Address: Acornfield Road Waste Management Centre Acornfield Road Knowsley Industrial Park Merseyside L33 7UF
 Sector: Waste Treatment, Sub-sector: Hazardous Waste
 Releases:



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.26	Absolute Value	06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13	No
D1	Deposit into or onto land (eg landfill, etc.)	17.653	Absolute Value	04 02 22	wastes from processed textile fibres	No
D1	Deposit into or onto land (eg landfill, etc.)	33.459	Absolute Value	07 02 13	waste plastic	No
D1	Deposit into or onto land (eg landfill, etc.)	27.354	Absolute Value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	No
D1	Deposit into or onto land (eg landfill, etc.)	7.674	Absolute Value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	No
D1	Deposit into or onto land (eg landfill, etc.)	6.377	Absolute Value	10 12 13	sludge from on-site effluent treatment	No
D1	Deposit into or onto land (eg landfill, etc.)	0.856	Absolute Value	12 01 17	waste blasting material other than those mentioned in 12 01 16	No
D1	Deposit into or onto land (eg landfill, etc.)	7.254	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	1.6	Absolute Value	04 02 22	wastes from processed textile fibres	No
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	4.49	Absolute Value	07 02 13	waste plastic	No
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	2.51	Absolute Value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	47.552	Absolute Value	15 01 02	plastic packaging	No
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	0.147	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	No
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	21.7	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	1.5	Absolute Value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	0.4	Absolute Value	04 02 15	wastes from finishing other than those mentioned in 04 02 14	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	0.2	Absolute Value	08 02 02	aqueous sludges containing ceramic materials	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	2.709	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	4.66	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	36.58	Absolute Value	19 02 03	premixed wastes composed only of non-hazardous wastes	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	8.932	Absolute Value	04 02 22	wastes from processed textile fibres	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	10.9	Absolute Value	07 02 13	waste plastic	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	5.057	Absolute Value	08 02 02	aqueous sludges containing ceramic materials	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	44.473	Absolute Value	08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.379	Absolute Value	10 01 24	sands from fluidised beds	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	22.996	Absolute Value	10 12 03	particulates and dust	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	35.56	Absolute Value	15 01 02	plastic packaging	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	117.617	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	4.6	Absolute Value	15 01 05	composite packaging	No
R4	Recycling/reclamation of metals and metal compounds	9.36	Absolute Value	17 04 07	mixed metals	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	26.96	Absolute Value	15 01 02	plastic packaging	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	18	Absolute Value	15 01 05	composite packaging	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.36	Absolute Value	15 01 04	metallic packaging	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	128.02	Absolute Value	15 01 06	mixed packaging	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.485	Absolute Value	16 06 04	alkaline batteries (except 16 06 03)	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.5	Absolute Value	20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	65.88	Absolute Value	20 01 40	metals	No
R9	Oil e-refining or other reuses of oil	0.6	Absolute Value	20 01 25	edible oil and fat	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	29.755	Absolute Value	06 01 05	nitric acid and nitrous acid	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	28.677	Absolute Value	06 02 04	sodium and potassium hydroxide	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	3	Absolute Value	06 01 01	sulphuric acid and sulphurous acid	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	36.265	Absolute Value	06 02 01	calcium hydroxide	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.938	Absolute Value	06 02 03	ammonium hydroxide	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	7.92	Absolute Value	06 09 03	calcium-based reaction wastes containing or contaminated with dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	29.6	Absolute Value	12 01 16	waste blasting material containing dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	1.7	Absolute Value	17 01 06	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances	Yes
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	10.28	Absolute Value	12 01 16	waste blasting material containing dangerous substances	Yes
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	5.5	Absolute Value	19 01 13	fly ash containing dangerous substances	Yes
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	2451.46	Absolute Value	19 02 05	sludges from physico/chemical treatment containing dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	4.22	Absolute Value	06 01 05	nitric acid and nitrous acid	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	3	Absolute Value	06 02 04	sodium and potassium hydroxide	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	59.2	Absolute Value	11 01 05	pickling acids	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	50.846	Absolute Value	11 01 06	acids not otherwise specified	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.448	Absolute Value	07 01 03	organic halogenated solvents, washing liquids and mother liquors	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.096	Absolute Value	07 01 04	other organic solvents, washing liquids and mother liquors	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	10.861	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.787	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	96.905	Absolute Value	11 01 05	pickling acids	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.064	Absolute Value	11 01 06	acids not otherwise specified	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	9.8	Absolute Value	13 05 06	oil from oil/water separators	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.391	Absolute Value	13 07 01	fuel oil and diesel	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	3.701	Absolute Value	13 07 03	other fuels (including mixtures)	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	17.428	Absolute Value	14 06 02	other halogenated solvents and solvent mixtures	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	15.965	Absolute Value	14 06 03	other solvents and solvent mixtures	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	7.8	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	4.06	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2.939	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	29.796	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	3.286	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2.48	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	8.036	Absolute Value	19 01 07	solid wastes from gas treatment	Yes
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	324.957	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	319.123	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	798.014	Absolute Value	19 02 04	premixed wastes composed of at least one hazardous waste	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	8.64	Absolute Value	07 01 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	8.18	Absolute Value	07 01 04	other organic solvents, washing liquids and mother liquors	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	137.828	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	25.331	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	5.2	Absolute Value	13 05 06	oil from oil/water separators	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	4.12	Absolute Value	13 07 01	fuel oil and diesel	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	37.021	Absolute Value	14 06 03	other solvents and solvent mixtures	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	15.204	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	4.364	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.927	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.221	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.54	Absolute Value	06 04 04	wastes containing mercury	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	4.392	Absolute Value	07 01 10	other filter cakes and spent absorbents	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2	Absolute Value	07 02 04	other organic solvents, washing liquids and mother liquors	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3.322	Absolute Value	08 03 12	waste ink containing dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.42	Absolute Value	12 01 20	spent grinding bodies and grinding materials containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	5	Absolute Value	13 02 08	other engine, gear and lubricating oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	12.3	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.625	Absolute Value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.445	Absolute Value	16 06 01	lead batteries	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.19	Absolute Value	16 06 02	Ni-Cd batteries	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	26.14	Absolute Value	16 07 08	wastes containing oil	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.4	Absolute Value	18 01 06	chemicals consisting of or containing dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	6	Absolute Value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.24	Absolute Value	20 01 33	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	Yes
R9	Oil e-refining or other reuses of oil	21.58	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
R9	Oil e-refining or other reuses of oil	47.04	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes
R9	Oil e-refining or other reuses of oil	49.3	Absolute Value	13 05 07	oily water from oil/water separators	Yes
R9	Oil e-refining or other reuses of oil	16	Absolute Value	19 02 07	oil and concentrates from separation	Yes

ID: P, Location: 246m SW, Permit: BU4589IZ
 Operator: QUALITECH ENVIRONMENTAL SERVICES LTD
 Activity: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs
 Address: Baker Petrolite Kirkby Bank Road Merseyside L33 7SY
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	837	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	486	Absolute Value	07 01 01	aqueous washing liquids and mother liquors	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	131	Absolute Value	07 01 01	aqueous washing liquids and mother liquors	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	10.275	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R5	Recycling/reclamation of other inorganic materials	6.69	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.85	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	19.2	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	26	Absolute Value	07 01 04	other organic solvents, washing liquids and mother liquors	Yes

ID: R, Location: 275m E, Permit: WP3439QP
 Operator: Surface Transforms PLC
 Activity: the activity of making charcoal
 Address: Image Business Park Acornfield Road Knowsley Industrial Park L33 7UF
 Sector: Refineries & Fuel, Sub-sector: Refineries & Fuel
 Releases:



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R1	Use principally as a fuel or other means to generate energy	114.9	Absolute Value	20 03 01	mixed municipal waste	No
D1	Deposit into or onto land (eg landfill, etc.)	32.4	Absolute Value	20 03 01	mixed municipal waste	No
D1	Deposit into or onto land (eg landfill, etc.)	42	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
D1	Deposit into or onto land (eg landfill, etc.)	52.8	Absolute Value	10 12 03	particulates and dust	No
D1	Deposit into or onto land (eg landfill, etc.)	Below Reporting Threshold	Below Reporting Threshold	15 01 04	metallic packaging	No
R5	Recycling/reclamation of other inorganic materials	18	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	0.2	Absolute Value	13 07 01	fuel oil and diesel	Yes
D1	Deposit into or onto land (eg landfill, etc.)	9	Absolute Value	13 02 08	other engine, gear and lubricating oils	Yes
D1	Deposit into or onto land (eg landfill, etc.)	8	Absolute Value	13 01 10	mineral based non-chlorinated hydraulic oils	Yes
D1	Deposit into or onto land (eg landfill, etc.)	3.3	Absolute Value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	12.2	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes

ID: X, Location: 334m SE, Permit: XP3334MT
 Operator: Ames Goldsmith UK Limited
 Activity: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE
 Address: Kirkby Silver Nitrate Manufacturing, Ames Goldsmith Ltd Acornfield Road Knowsley Industrial Park Merseyside L33 7UF
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	Below Reporting Threshold	Below Reporting Threshold	06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13	No
R5	Recycling/reclamation of other inorganic materials	Below Reporting Threshold	Below Reporting Threshold	20 01 01	paper and cardboard	No
D1	Deposit into or onto land (eg landfill, etc.)	Below Reporting Threshold	Below Reporting Threshold	20 03 01	mixed municipal waste	No

ID: Y, Location: 364m NE, Permit: KP3436NL
 Operator: Srcl Limited
 Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
 Address: SRCL Knowsley Treatment and Transfer Station Bradman Road L33 7UR
 Sector: Waste Treatment, Sub-sector: Hazardous Waste
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D1	Deposit into or onto land (eg landfill, etc.)	876.77	Absolute Value	18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)	No
D10	Incineration on Land	5.62	Absolute Value	18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	8.68	Absolute Value	18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	296.83	Absolute Value	18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)	No
D10	Incineration on Land	86.92	Absolute Value	18 01 09	medicines other than those mentioned in 18 01 08	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	101.64	Absolute Value	18 01 09	medicines other than those mentioned in 18 01 08	No
D10	Incineration on Land	17.62	Absolute Value	18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection	No
D10	Incineration on Land	14.44	Absolute Value	18 02 08	medicines other than those mentioned in 18 02 07	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	7681	Absolute Value	19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09	No
R1	Use principally as a fuel or other means to generate energy	2241.62	Absolute Value	19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09	No
D10	Incineration on Land	8.75	Absolute Value	20 01 32	medicines other than those mentioned in 20 01 31	No
D10	Incineration on Land	5.17	Absolute Value	20 01 99	other fractions not otherwise specified	No
D1	Deposit into or onto land (eg landfill, etc.)	234.28	Absolute Value	18 01 03	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	45.7	Absolute Value	18 01 03	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes
D10	Incineration on Land	1444.68	Absolute Value	18 01 03	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes
D10	Incineration on Land	99.1	Absolute Value	18 01 08	cytotoxic and cytostatic medicines	Yes
D10	Incineration on Land	27.15	Absolute Value	18 02 02	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes

ID: Z, Location: 372m S, Permit: XP3038HX
 Operator: Avanti Environmental Group Limited
 Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
 Address: Knowsley Industrial Park North Charleywood Road Knowsley Merseyside L33 7SG
 Sector: Waste Treatment, Sub-sector: Hazardous Waste
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.2	Absolute Value	10 03 05	waste alumina	No
R4	Recycling/reclamation of metals and metal compounds	14.4	Absolute Value	12 01 03	non-ferrous metal filings and turnings	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	265.5	Absolute Value	15 01 01	paper and cardboard packaging	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2617.231	Absolute Value	15 01 02	plastic packaging	No
R4	Recycling/reclamation of metals and metal compounds	2.88	Absolute Value	15 01 02	plastic packaging	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	412.694	Absolute Value	15 01 02	plastic packaging	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	5	Absolute Value	15 01 04	metallic packaging	No
R4	Recycling/reclamation of metals and metal compounds	311.168	Absolute Value	15 01 04	metallic packaging	No
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	113	Absolute Value	15 01 04	metallic packaging	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	82	Absolute Value	15 01 06	mixed packaging	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	1	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	No
R4	Recycling/reclamation of metals and metal compounds	15.654	Absolute Value	16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	No
R4	Recycling/reclamation of metals and metal compounds	0.5	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	45	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	8.5	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
R4	Recycling/reclamation of metals and metal compounds	9	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	74.28	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	108.745	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	1.4	Absolute Value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.2	Absolute Value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	No
R4	Recycling/reclamation of metals and metal compounds	1.71	Absolute Value	16 06 04	alkaline batteries (except 16 06 03)	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	1.98	Absolute Value	16 06 05	other batteries and accumulators	No
R1	Use principally as a fuel or other means to generate energy	0.04	Absolute Value	16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	10.2	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	54	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.2	Absolute Value	18 01 07	chemicals other than those mentioned in 18 01 06	No
R4	Recycling/reclamation of metals and metal compounds	27	Absolute Value	18 01 09	medicines other than those mentioned in 18 01 08	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.5	Absolute Value	18 01 09	medicines other than those mentioned in 18 01 08	No
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	1	Absolute Value	18 01 09	medicines other than those mentioned in 18 01 08	No
R9	Oil e-refining or other reuses of oil	199	Absolute Value	18 01 09	medicines other than those mentioned in 18 01 08	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R1	Use principally as a fuel or other means to generate energy	327	Absolute Value	19 12 10	combustible waste (refuse derived fuel)	No
D1	Deposit into or onto land (eg landfill, etc.)	34	Absolute Value	19 12 10	combustible waste (refuse derived fuel)	No
R4	Recycling/reclamation of metals and metal compounds	96	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	8	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
R1	Use principally as a fuel or other means to generate energy	51	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	850.6	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
R4	Recycling/reclamation of metals and metal compounds	0.03	Absolute Value	20 01 34	batteries and accumulators other than those mentioned in 20 01 33	No
R4	Recycling/reclamation of metals and metal compounds	2.012	Absolute Value	20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	No
R4	Recycling/reclamation of metals and metal compounds	6	Absolute Value	20 01 40	metals	No
R1	Use principally as a fuel or other means to generate energy	210	Absolute Value	20 03 07	bulky waste	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	582	Absolute Value	20 03 07	bulky waste	No
R1	Use principally as a fuel or other means to generate energy	211.12	Absolute Value	02 06 01	materials unsuitable for consumption or processing	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	43	Absolute Value	02 07 04	materials unsuitable for consumption or processing	No
D1	Deposit into or onto land (eg landfill, etc.)	11	Absolute Value	02 07 04	materials unsuitable for consumption or processing	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.2	Absolute Value	04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	21.92	Absolute Value	05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	15	Absolute Value	07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1	Absolute Value	07 02 13	waste plastic	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	4	Absolute Value	07 02 13	waste plastic	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	1.2	Absolute Value	07 05 14	solid wastes other than those mentioned in 07 05 13	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	117.8	Absolute Value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	73.7	Absolute Value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	2.12	Absolute Value	08 03 08	aqueous liquid waste containing ink	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	6.72	Absolute Value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	2	Absolute Value	10 01 20	sludges from on-site effluent treatment containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.4	Absolute Value	12 01 14	machining sludges containing dangerous substances	Yes
D10	Incineration on Land	1.68	Absolute Value	12 01 20	spent grinding bodies and grinding materials containing dangerous substances	Yes
R2	Solvent reclamation/regeneration	0.3	Absolute Value	12 01 20	spent grinding bodies and grinding materials containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	0.151	Absolute Value	14 06 01	chlorofluorocarbons, HCFC, HFC	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	0.28	Absolute Value	14 06 01	chlorofluorocarbons, HCFC, HFC	Yes
R2	Solvent reclamation/regeneration	64.1	Absolute Value	14 06 02	other halogenated solvents and solvent mixtures	Yes
D10	Incineration on Land	356.3	Absolute Value	14 06 05	sludges or solid wastes containing other solvents	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	76.4	Absolute Value	14 06 05	sludges or solid wastes containing other solvents	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	379.18	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	68	Absolute Value	16 01 07	oil filters	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	61	Absolute Value	16 01 07	oil filters	Yes
R9	Oil e-refining or other reuses of oil	98	Absolute Value	16 01 14	antifreeze fluids containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	0.006	Absolute Value	16 02 11	discarded equipment containing chlorofluorocarbons, HCFC, HFC	Yes
D10	Incineration on Land	1.05	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	28.6	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	2	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	126.35	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
D10	Incineration on Land	8.001	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
R2	Solvent reclamation/regeneration	5.6	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	8.001	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	0.001	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	11.8	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
D10	Incineration on Land	23.04	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	16.02	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	8.04	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
R1	Use principally as a fuel or other means to generate energy	17.41	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	3	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	5.6	Absolute Value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	0.162	Absolute Value	16 06 01	lead batteries	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	0.75	Absolute Value	16 06 02	Ni-Cd batteries	Yes
D10	Incineration on Land	0.06	Absolute Value	16 08 02	spent catalysts containing dangerous transition metals (3) or dangerous transition metal compounds	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	8	Absolute Value	16 08 07	spent catalysts contaminated with dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	48.8	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes
R9	Oil e-refining or other reuses of oil	26	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	0.8	Absolute Value	17 06 05	construction materials containing asbestos	Yes
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	0.03	Absolute Value	17 06 05	construction materials containing asbestos	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.54	Absolute Value	18 01 06	chemicals consisting of or containing dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	0.039	Absolute Value	16 08 07	spent catalysts contaminated with dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	0.72	Absolute Value	18 01 10	amalgam waste from dental care	Yes
R1	Use principally as a fuel or other means to generate energy	25.92	Absolute Value	19 02 04	premixed wastes composed of at least one hazardous waste	Yes
R1	Use principally as a fuel or other means to generate energy	393.37	Absolute Value	19 02 08	liquid combustible wastes containing dangerous substances	Yes
D10	Incineration on Land	194.8	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	488.6	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	97	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	635	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	Yes
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	77	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	Yes
D10	Incineration on Land	7	Absolute Value	20 01 29	detergents containing dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	0.54	Absolute Value	20 01 33	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	Yes
R4	Recycling/reclamation of metals and metal compounds	0.106	Absolute Value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes
R1	Use principally as a fuel or other means to generate energy	24.04	Absolute Value	03 02 01	non-halogenated organic wood preservatives	Yes
R2	Solvent reclamation/regeneration	414.11	Absolute Value	03 02 01	non-halogenated organic wood preservatives	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3	Absolute Value	06 01 02	hydrochloric acid	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	2	Absolute Value	06 01 02	hydrochloric acid	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	0.001	Absolute Value	06 01 04	phosphoric and phosphorous acid	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	2	Absolute Value	06 01 06	other acids	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	2	Absolute Value	06 03 13	solid salts and solutions containing heavy metals	Yes
R1	Use principally as a fuel or other means to generate energy	299.175	Absolute Value	06 08 02	waste containing dangerous silicones	Yes
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	3.4	Absolute Value	07 01 01	aqueous washing liquids and mother liquors	Yes
R2	Solvent reclamation/regeneration	258.91	Absolute Value	07 01 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R2	Solvent reclamation/regeneration	82.66	Absolute Value	07 01 04	other organic solvents, washing liquids and mother liquors	Yes
D10	Incineration on Land	1	Absolute Value	07 01 04	other organic solvents, washing liquids and mother liquors	Yes
R4	Recycling/reclamation of metals and metal compounds	9	Absolute Value	07 01 04	other organic solvents, washing liquids and mother liquors	Yes
R1	Use principally as a fuel or other means to generate energy	2495.16	Absolute Value	07 01 08	other still bottoms and reaction residues	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	9	Absolute Value	07 02 14	wastes from additives containing dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	24	Absolute Value	07 05 01	aqueous washing liquids and mother liquors	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R1	Use principally as a fuel or other means to generate energy	66.735	Absolute Value	07 05 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R2	Solvent reclamation/regeneration	116.66	Absolute Value	07 05 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R1	Use principally as a fuel or other means to generate energy	233.8	Absolute Value	07 05 08	other still bottoms and reaction residues	Yes
R1	Use principally as a fuel or other means to generate energy	29.982	Absolute Value	07 05 13	solid wastes containing dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	0.6	Absolute Value	07 05 13	solid wastes containing dangerous substances	Yes
R2	Solvent reclamation/regeneration	207	Absolute Value	07 07 03	organic halogenated solvents, washing liquids and mother liquors	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	6	Absolute Value	07 07 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R4	Recycling/reclamation of metals and metal compounds	17	Absolute Value	07 07 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R1	Use principally as a fuel or other means to generate energy	575.15	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	14.9	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	9.4	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	18	Absolute Value	08 03 12	waste ink containing dangerous substances	Yes
D10	Incineration on Land	4.3	Absolute Value	08 03 12	waste ink containing dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	354.78	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	118.35	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
D10	Incineration on Land	0.8	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	38.52	Absolute Value	08 05 01	waste isocyanates	Yes

ID: AE, Location: 490m W, Permit: RP3935WL
 Operator: FACI UK Chemicals Limited
 Activity: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs
 Address: Knowsley Industrial Park Ashcroft Road LIVERPOOL Merseyside L33 7TW
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	6.4	Absolute Value	15 01 03	wooden packaging	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D1	Deposit into or onto land (eg landfill, etc.)	10.3	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	17.05	Absolute Value	20 03 01	mixed municipal waste	No
D1	Deposit into or onto land (eg landfill, etc.)	2.97	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes

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

4.21 Pollution inventory radioactive waste

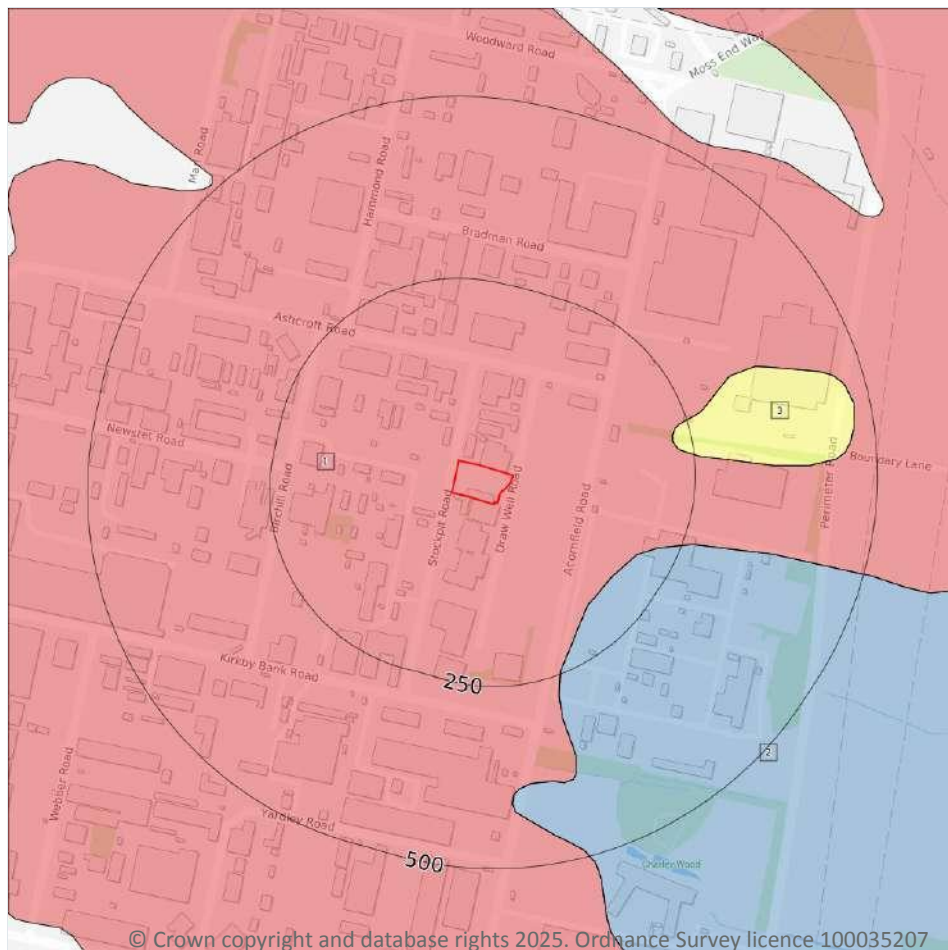
Records within 500m	0
----------------------------	----------

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

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



5 Hydrogeology - Superficial aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

3

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 166](#) >

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	186m SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

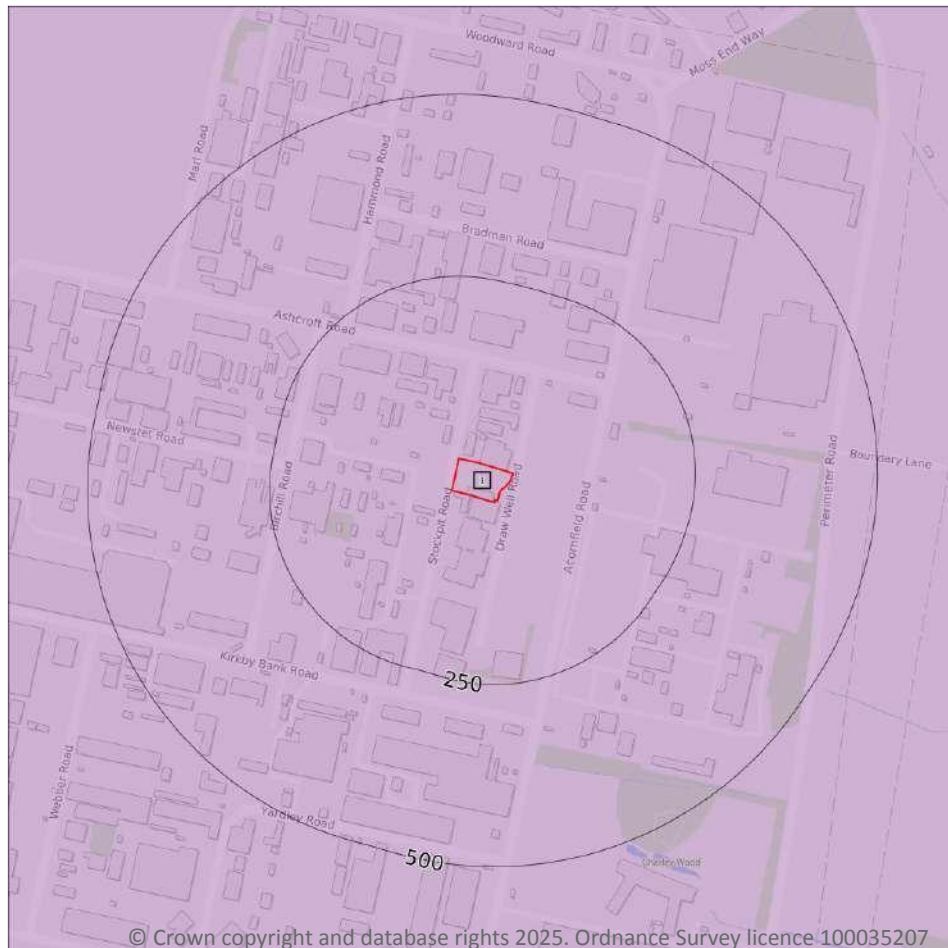


ID	Location	Designation	Description
3	224m E	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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



Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

5.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

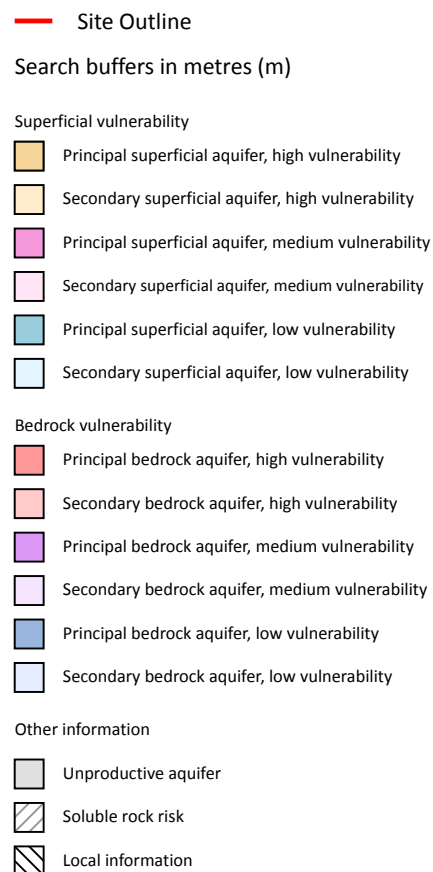
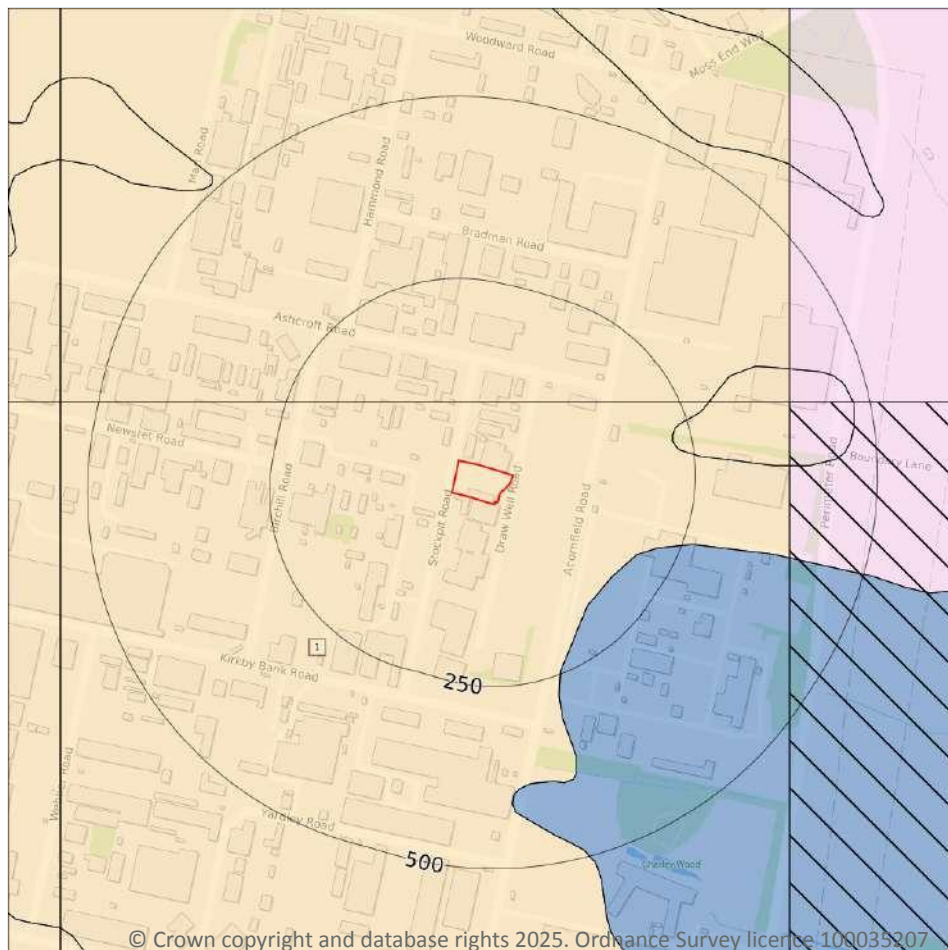
Features are displayed on the Bedrock aquifer map on [page 168](#) >

ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

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

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

Features are displayed on the Groundwater vulnerability map on [page 169](#) >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Principal Flow mechanism: Mixed

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0
------------------------	----------

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

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

5.5 Groundwater vulnerability- local information

Records on site	0
------------------------	----------

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

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

Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

34

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 171](#) >

ID	Location	Details	
A	203m E	Status: Active Licence No: 2569031089 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY Data Type: Point Name: AMES GOLDSMITH UK LTD Easting: 343800 Northing: 398800	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 340.95 Original Application No: NPS/WR/023235 Original Start Date: 01/07/1988 Expiry Date: - Issue No: 102 Version Start Date: 26/07/2016 Version End Date: -
A	203m E	Status: Historical Licence No: 2569031089 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY Data Type: Point Name: AMES GOLDSMITH UK LTD Easting: 343800 Northing: 398800	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 340.95 Original Application No: - Original Start Date: 01/07/1988 Expiry Date: - Issue No: 101 Version Start Date: 10/11/2006 Version End Date: -
B	223m SW	Status: Active Licence No: 2569031090 Details: Boiler Feed Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY INDUSTRIAL ESTATE Data Type: Point Name: Baker Hughes Limited Easting: 343400 Northing: 398700	Annual Volume (m ³): 250030 Max Daily Volume (m ³): 818.28 Original Application No: NPS/WR/006045 Original Start Date: 20/01/1989 Expiry Date: - Issue No: 101 Version Start Date: 18/03/2011 Version End Date: -
B	223m SW	Status: Active Licence No: 2569031090 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY INDUSTRIAL ESTATE Data Type: Point Name: Baker Hughes Limited Easting: 343400 Northing: 398700	Annual Volume (m ³): 250030 Max Daily Volume (m ³): 818.28 Original Application No: NPS/WR/006045 Original Start Date: 20/01/1989 Expiry Date: - Issue No: 101 Version Start Date: 18/03/2011 Version End Date: -
B	223m SW	Status: Active Licence No: 2569031090 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY INDUSTRIAL ESTATE Data Type: Point Name: Baker Hughes Limited Easting: 343400 Northing: 398700	Annual Volume (m ³): 250030 Max Daily Volume (m ³): 818.28 Original Application No: NPS/WR/006045 Original Start Date: 20/01/1989 Expiry Date: - Issue No: 101 Version Start Date: 18/03/2011 Version End Date: -



ID	Location	Details	
C	297m E	Status: Historical Licence No: 2569031011 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT KIRKBY INDUSTRIAL ESTATE KIRKBY, MERSEYSIDE" Data Type: Point Name: PILKINGTON BROTHERS LTD Easting: 343900 Northing: 399000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/01/1966 Version End Date: -
C	297m E	Status: Historical Licence No: 2569031011 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT KIRKBY INDUSTRIAL ESTATE KIRKBY, MERSEYSIDE" Data Type: Point Name: PILKINGTON BROTHERS LTD Easting: 343900 Northing: 399000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/01/1966 Version End Date: -
C	297m E	Status: Historical Licence No: 2569031011 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY INDUSTRIAL ESTATE KIRKBY, MERSEYSIDE Data Type: Point Name: PILKINGTON BROTHERS LTD Easting: 343900 Northing: 399000	Annual Volume (m ³): 1591135 Max Daily Volume (m ³): 5237.11 Original Application No: - Original Start Date: 28/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/01/1966 Version End Date: -
C	297m E	Status: Historical Licence No: 2569031011 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY INDUSTRIAL ESTATE KIRKBY, MERSEYSIDE Data Type: Point Name: PILKINGTON BROTHERS LTD Easting: 343900 Northing: 399000	Annual Volume (m ³): 1591135 Max Daily Volume (m ³): 5237.11 Original Application No: - Original Start Date: 28/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/01/1966 Version End Date: -



ID	Location	Details	
E	684m NW	Status: Historical Licence No: 2569031146 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: SONAE BOREHOLE, KNOWSLEY, MERSEYSIDE Data Type: Point Name: Sonae (UK) Limited Easting: 342984 Northing: 399310	Annual Volume (m ³): 129600 Max Daily Volume (m ³): 356.53 Original Application No: - Original Start Date: 17/10/2008 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 17/10/2008 Version End Date: -
E	684m NW	Status: Historical Licence No: 2569031146 Details: Process Water Direct Source: Ground Water - North West Region Point: SONAE BOREHOLE, KNOWSLEY, MERSEYSIDE Data Type: Point Name: Sonae (UK) Limited Easting: 342984 Northing: 399310	Annual Volume (m ³): 129600 Max Daily Volume (m ³): 356.53 Original Application No: - Original Start Date: 17/10/2008 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 17/10/2008 Version End Date: -
E	684m NW	Status: Historical Licence No: 2569031146 Details: Dust Suppression Direct Source: Ground Water - North West Region Point: SONAE BOREHOLE, KNOWSLEY, MERSEYSIDE Data Type: Point Name: Sonae (UK) Limited Easting: 342984 Northing: 399310	Annual Volume (m ³): 129600 Max Daily Volume (m ³): 356.53 Original Application No: - Original Start Date: 17/10/2008 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 17/10/2008 Version End Date: -
-	849m W	Status: Active Licence No: 2569031131 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY 2 Data Type: Point Name: Liverpool Football Club & Athletic Grounds Limited Easting: 342734 Northing: 399168	Annual Volume (m ³): 150000 Max Daily Volume (m ³): 792 Original Application No: NPS/WR/027992 Original Start Date: 28/09/1999 Expiry Date: - Issue No: 3 Version Start Date: 19/11/2019 Version End Date: -
-	1120m W	Status: Historical Licence No: 2569031131 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: "BOREHOLE ""B"" AT KIRKBY" Data Type: Point Name: LIVERPOOL FOOTBALL CLUB SOCCER ACADEMY Easting: 342460 Northing: 398570	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 1 Version Start Date: 28/09/1999 Version End Date: -



ID	Location	Details	
-	1120m W	Status: Historical Licence No: 2569031131 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE ""B""AT KIRKBY" Data Type: Point Name: LIVERPOOL FOOTBALL CLUB SOCCER ACADEMY Easting: 342460 Northing: 398570	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 1 Version Start Date: 28/09/1999 Version End Date: -
-	1120m W	Status: Historical Licence No: 2569031131 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE "B"AT KIRKBY Data Type: Point Name: LIVERPOOL FOOTBALL CLUB SOCCER ACADEMY Easting: 342460 Northing: 398570	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 1 Version Start Date: 28/09/1999 Version End Date: -
-	1120m W	Status: Historical Licence No: 2569031131 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE "B"AT KIRKBY Data Type: Point Name: LIVERPOOL FOOTBALL CLUB SOCCER ACADEMY Easting: 342460 Northing: 398570	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 1 Version Start Date: 28/09/1999 Version End Date: -
-	1120m W	Status: Historical Licence No: 2569031131 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE B AT KIRKBY Data Type: Point Name: LIVERPOOL FOOTBALL CLUB SOCCER ACADEMY Easting: 342460 Northing: 398570	Annual Volume (m ³): 150000 Max Daily Volume (m ³): 600 Original Application No: - Original Start Date: 28/09/1999 Expiry Date: - Issue No: 1 Version Start Date: 28/09/1999 Version End Date: -
-	1120m W	Status: Historical Licence No: 2569031131 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE B AT KIRKBY Data Type: Point Name: LIVERPOOL FOOTBALL CLUB SOCCER ACADEMY Easting: 342460 Northing: 398570	Annual Volume (m ³): 150000 Max Daily Volume (m ³): 600 Original Application No: - Original Start Date: 28/09/1999 Expiry Date: - Issue No: 1 Version Start Date: 28/09/1999 Version End Date: -



ID	Location	Details	
-	1124m W	Status: Active Licence No: 2569031131 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY Data Type: Point Name: Liverpool Football Club & Athletic Grounds Limited Easting: 342445 Northing: 398610	Annual Volume (m ³): 150000 Max Daily Volume (m ³): 792 Original Application No: NPS/WR/027992 Original Start Date: 28/09/1999 Expiry Date: - Issue No: 3 Version Start Date: 19/11/2019 Version End Date: -
-	1124m W	Status: Active Licence No: 2569031131 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY Data Type: Point Name: Liverpool Football Club & Athletic Grounds Limited Easting: 342445 Northing: 398610	Annual Volume (m ³): 150000 Max Daily Volume (m ³): 792 Original Application No: NPS/WR/027992 Original Start Date: 28/09/1999 Expiry Date: - Issue No: 3 Version Start Date: 19/11/2019 Version End Date: -
-	1124m W	Status: Historical Licence No: 2569031131 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY Data Type: Point Name: Liverpool Football Club & Athletic Grounds Limited Easting: 342445 Northing: 398610	Annual Volume (m ³): 150000 Max Daily Volume (m ³): 432 Original Application No: - Original Start Date: 28/09/1999 Expiry Date: - Issue No: 2 Version Start Date: 23/10/2014 Version End Date: -
-	1124m W	Status: Historical Licence No: 2569031131 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY Data Type: Point Name: Liverpool Football Club & Athletic Grounds Limited Easting: 342445 Northing: 398610	Annual Volume (m ³): 150000 Max Daily Volume (m ³): 792 Original Application No: - Original Start Date: 28/09/1999 Expiry Date: - Issue No: 3 Version Start Date: 19/11/2019 Version End Date: -



ID	Location	Details	
-	1124m W	Status: Historical Licence No: 2569031131 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY Data Type: Point Name: Liverpool Football Club & Athletic Grounds Limited Easting: 342445 Northing: 398610	Annual Volume (m ³): 150000 Max Daily Volume (m ³): 792 Original Application No: - Original Start Date: 28/09/1999 Expiry Date: - Issue No: 3 Version Start Date: 19/11/2019 Version End Date: -
-	1127m W	Status: Historical Licence No: 2569031131 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE A AT KIRKBY Data Type: Point Name: LIVERPOOL FOOTBALL CLUB SOCCER ACADEMY Easting: 342450 Northing: 398580	Annual Volume (m ³): 150000 Max Daily Volume (m ³): 600 Original Application No: - Original Start Date: 28/09/1999 Expiry Date: - Issue No: 1 Version Start Date: 28/09/1999 Version End Date: -
-	1127m W	Status: Historical Licence No: 2569031131 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE ""A"" AT KIRKBY" Data Type: Point Name: LIVERPOOL FOOTBALL CLUB SOCCER ACADEMY Easting: 342450 Northing: 398580	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 1 Version Start Date: 28/09/1999 Version End Date: -
-	1127m W	Status: Historical Licence No: 2569031131 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: "BOREHOLE ""A"" AT KIRKBY" Data Type: Point Name: LIVERPOOL FOOTBALL CLUB SOCCER ACADEMY Easting: 342450 Northing: 398580	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 1 Version Start Date: 28/09/1999 Version End Date: -



ID	Location	Details	
-	1127m W	Status: Historical Licence No: 2569031131 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE "A" AT KIRKBY Data Type: Point Name: LIVERPOOL FOOTBALL CLUB SOCCER ACADEMY Easting: 342450 Northing: 398580	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 1 Version Start Date: 28/09/1999 Version End Date: -
-	1127m W	Status: Historical Licence No: 2569031131 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE "A" AT KIRKBY Data Type: Point Name: LIVERPOOL FOOTBALL CLUB SOCCER ACADEMY Easting: 342450 Northing: 398580	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 1 Version Start Date: 28/09/1999 Version End Date: -
-	1127m W	Status: Historical Licence No: 2569031131 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE A AT KIRKBY Data Type: Point Name: LIVERPOOL FOOTBALL CLUB SOCCER ACADEMY Easting: 342450 Northing: 398580	Annual Volume (m ³): 150000 Max Daily Volume (m ³): 600 Original Application No: - Original Start Date: 28/09/1999 Expiry Date: - Issue No: 1 Version Start Date: 28/09/1999 Version End Date: -
-	1806m S	Status: Active Licence No: 2569031016 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: WELL BOREHOLE AND WELLS AND BOREHOLES X 2 AT KNOWSLEY Data Type: Point Name: United Utilities Water Ltd Easting: 344000 Northing: 397100	Annual Volume (m ³): 2074000 Max Daily Volume (m ³): 7500 Original Application No: NPS/WR/026423 Original Start Date: 16/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 26/11/2018 Version End Date: -
-	1806m S	Status: Historical Licence No: 2569031016 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: "WELL, BOREHOLE AND WELLS AND BOREHOLES (2) AT KNOWSLEY" Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 344000 Northing: 397100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/03/1966 Version End Date: -



ID	Location	Details	
-	1806m S	Status: Historical Licence No: 2569031016 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: WELL, BOREHOLE AND WELLS AND BOREHOLES (2) AT KNOWSLEY Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 344000 Northing: 397100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/03/1966 Version End Date: -
-	1951m N	Status: Historical Licence No: 2569031137 Details: Dust Suppression Direct Source: Ground Water - North West Region Point: PERMO TRIASSIC SANDSTONE AT SIMONSWOOD Data Type: Point Name: CITY CENTRE COMMERCIALS LTD Easting: 343750 Northing: 400860	Annual Volume (m ³): 7000 Max Daily Volume (m ³): 39 Original Application No: - Original Start Date: 09/10/2001 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	2
-----------------------------	----------

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 171](#) >

ID	Location	Details	
D	676m NE	Status: Historical Licence No: 2569031068 Details: Spray Irrigation - Direct Direct Source: Surface, Non-Tidal - North West Region Point: UNNAMED TRIB OF SIMONSWOOD BRK AT KIRKBY Data Type: Line Name: BERRY BROS FARMS LTD Easting: 344100 Northing: 399400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/06/1984 Expiry Date: - Issue No: 100 Version Start Date: 14/06/1984 Version End Date: -



ID	Location	Details	
D	676m NE	Status: Historical Licence No: 2569031068 Details: Spray Irrigation - Direct Direct Source: Surface, Non-Tidal - North West Region Point: UNNAMED TRIBUTARY OF SIMONSWOOD BROOK AT KIRKBY Data Type: Line Name: BERRY BROS FARMS LTD Easting: 344100 Northing: 399400	Annual Volume (m ³): 45460 Max Daily Volume (m ³): 1000.12 Original Application No: 2668 Original Start Date: 14/06/1984 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2021 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

4

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 171 >](#)

ID	Location	Details	
B	223m SW	Status: Active Licence No: 2569031090 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE AT KIRKBY INDUSTRIAL ESTATE Data Type: Point Name: Baker Hughes Limited Easting: 343400 Northing: 398700	Annual Volume (m ³): 250030 Max Daily Volume (m ³): 818.28 Original Application No: NPS/WR/006045 Original Start Date: 20/01/1989 Expiry Date: - Issue No: 101 Version Start Date: 18/03/2011 Version End Date: -
-	1806m S	Status: Active Licence No: 2569031016 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: WELL BOREHOLE AND WELLS AND BOREHOLES X 2 AT KNOWSLEY Data Type: Point Name: United Utilities Water Ltd Easting: 344000 Northing: 397100	Annual Volume (m ³): 2074000 Max Daily Volume (m ³): 7500 Original Application No: NPS/WR/026423 Original Start Date: 16/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 26/11/2018 Version End Date: -



ID	Location	Details	
-	1806m S	Status: Historical Licence No: 2569031016 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: "WELL, BOREHOLE AND WELLS AND BOREHOLES (2) AT KNOWSLEY" Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 344000 Northing: 397100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/03/1966 Version End Date: -
-	1806m S	Status: Historical Licence No: 2569031016 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: WELL, BOREHOLE AND WELLS AND BOREHOLES (2) AT KNOWSLEY Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 344000 Northing: 397100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/03/1966 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	1
----------------------------	----------

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination. Features are displayed on the Abstractions and Source Protection Zones map on [page 171 >](#)

ID	Location	Type	Description
1	On site	3	Total catchment

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

5.10 Source Protection Zones (confined aquifer)

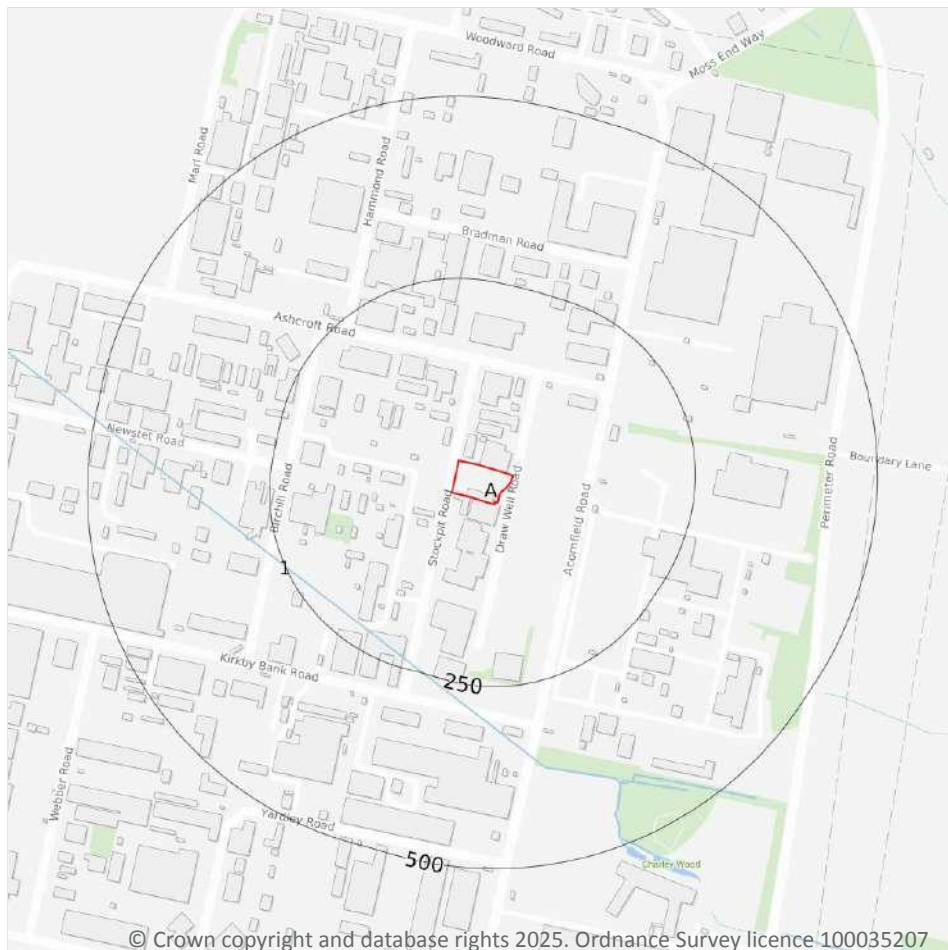
Records within 500m	0
----------------------------	----------

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

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



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

1

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on [page 182 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
1	220m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Kirkby Brook

This data is sourced from the Ordnance Survey.



6.2 Surface water features

Records within 250m

0

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on [page 182 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Simonswood Brook	GB112069060630	Alt	Alt and Crossens

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

6.4 WFD Surface water bodies

Records identified

1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on [page 182 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2135m NE	River	Simonswood Brook	GB112069060630 ↗	Moderate	Fail	Moderate	2019

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



6.5 WFD Groundwater bodies

Records on site

1

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on [page 182](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Lower Mersey Basin and North Merseyside Permo-Triassic Sandstone Aquifers	GB41201G101700 ↗	Poor	Poor	Poor	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m**0**

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

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

7.2 Historical Flood Events

Records within 250m**0**

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

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

7.3 Flood Defences

Records within 250m**0**

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

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

7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0
--------------------	---

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

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

7.7 Flood Zone 3

Records within 50m	0
--------------------	---

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

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



8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on [page 188 >](#)

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

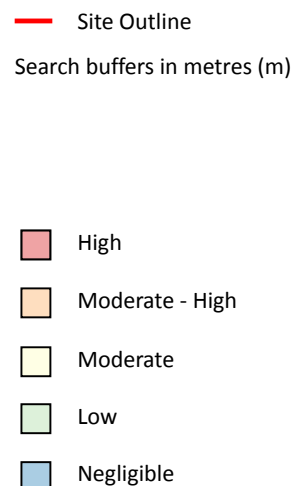
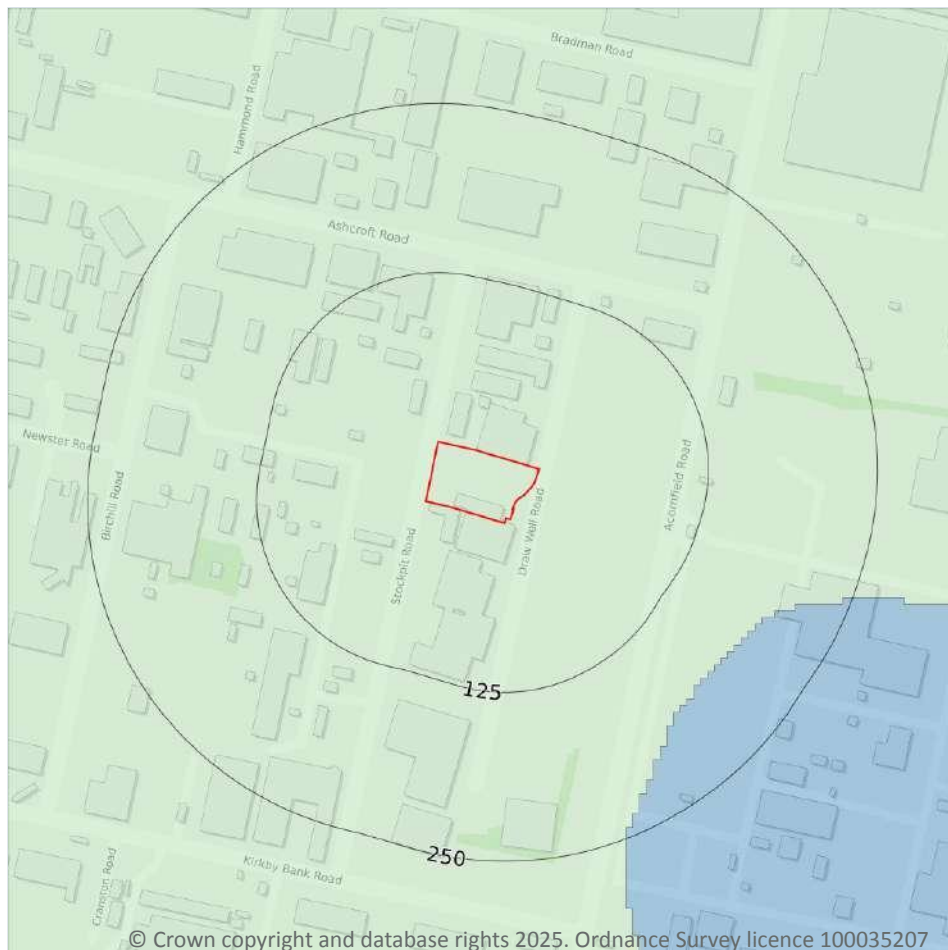
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

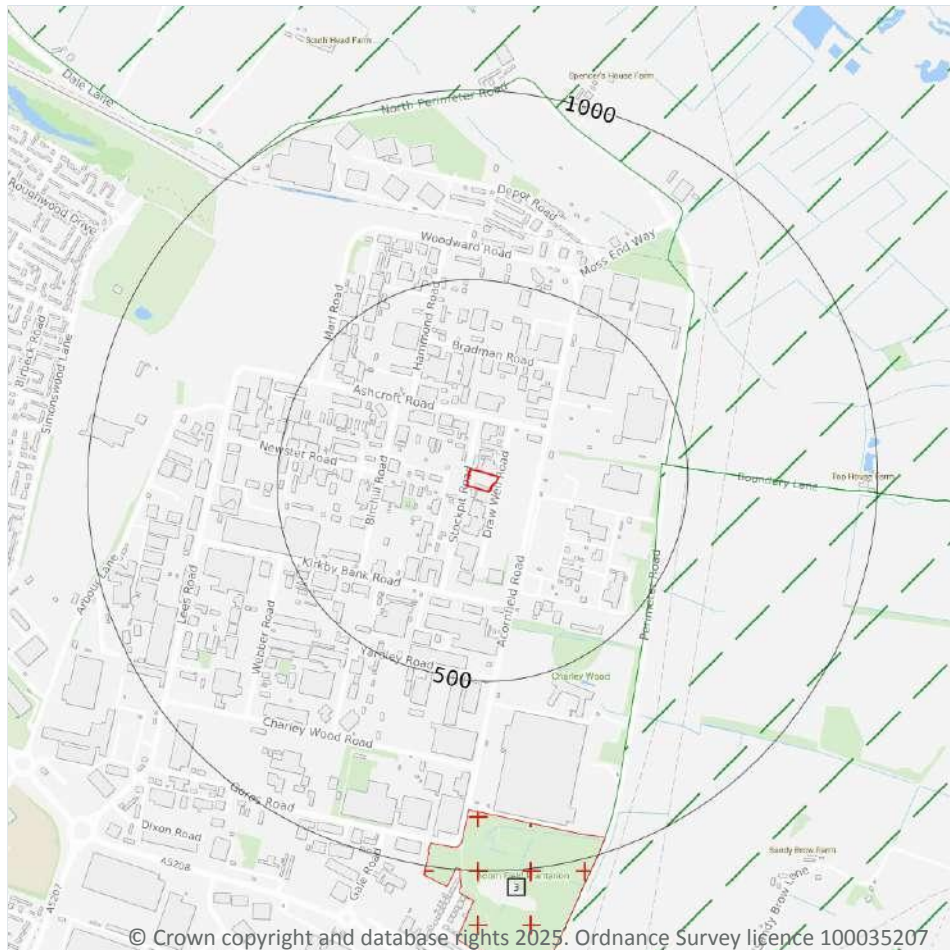
Low

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on [page 190](#) >

This data is sourced from Ambient Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)
- ▨ Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m**1**

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on [page 191](#) >

ID	Location	Name	Data source
3	840m S	Acornfield Plantation	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m**0**

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m**0**

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m**0**

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.



10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m

3

Areas designated to prevent urban sprawl by keeping land permanently open.

Features are displayed on the Environmental designations map on [page 191](#) >

ID	Location	Name	Local Authority name
1	427m E	Merseyside and Greater Manchester Green Belt	Knowsley
2	443m E	Merseyside and Greater Manchester Green Belt	West Lancashire
-	1737m E	Merseyside and Greater Manchester Green Belt	St. Helens

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.



10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m**3**

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	ALT NVZ	Surface Water	642	Existing
471m E	ALT NVZ	Surface Water	642	Existing
1935m SE	Sankey Brook (Black Bk to Mersey) NVZ	Surface Water	639	Existing

This data is sourced from Natural England and Natural Resources Wales.



SSSI Impact Zones and Units

10.17 SSSI Impact Risk Zones

Records on site

0

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

0

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

This data is sourced from Natural England and Natural Resources Wales.



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m

0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.



This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m

0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.7 Registered Parks and Gardens

Records within 250m

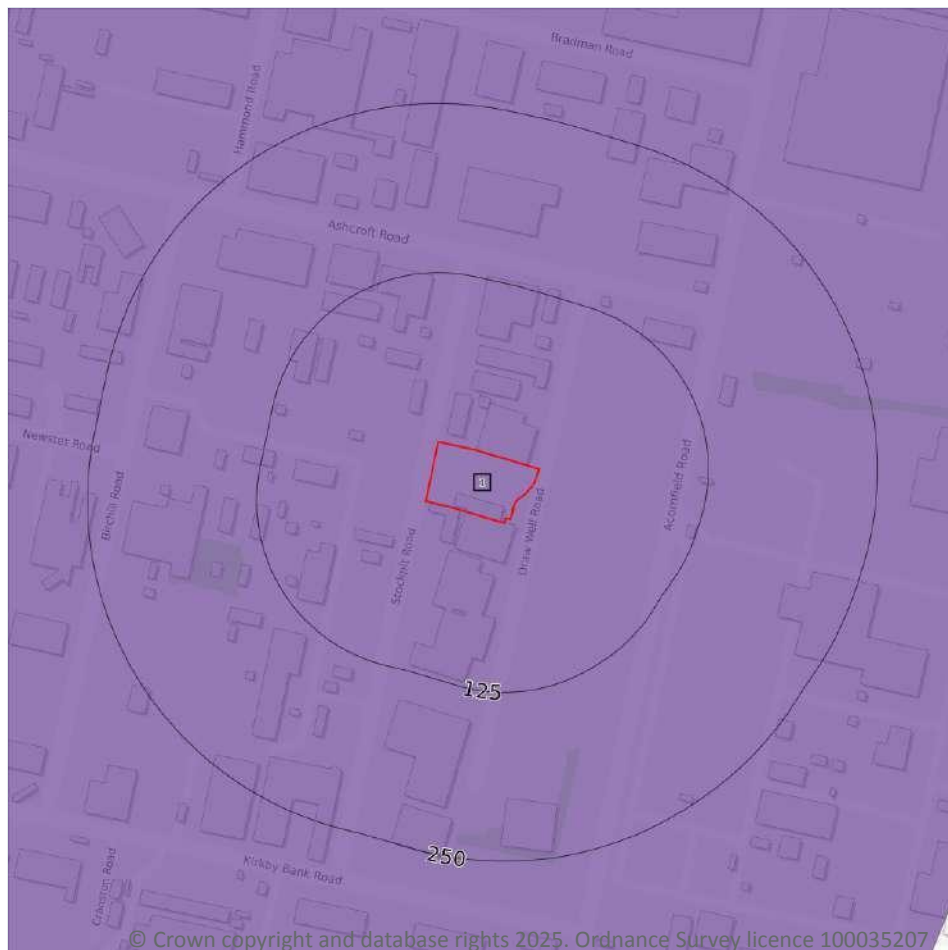
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

1

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on [page 199](#) >

ID	Location	Classification	Description
1	On site	Urban	Non-agricultural/no quality assigned

This data is sourced from Natural England.



12.2 Open Access Land

Records within 250m

0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m

0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

0

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 202](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	No coverage	No coverage	No coverage	NoCov

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground

14.2 Artificial and made ground (10k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

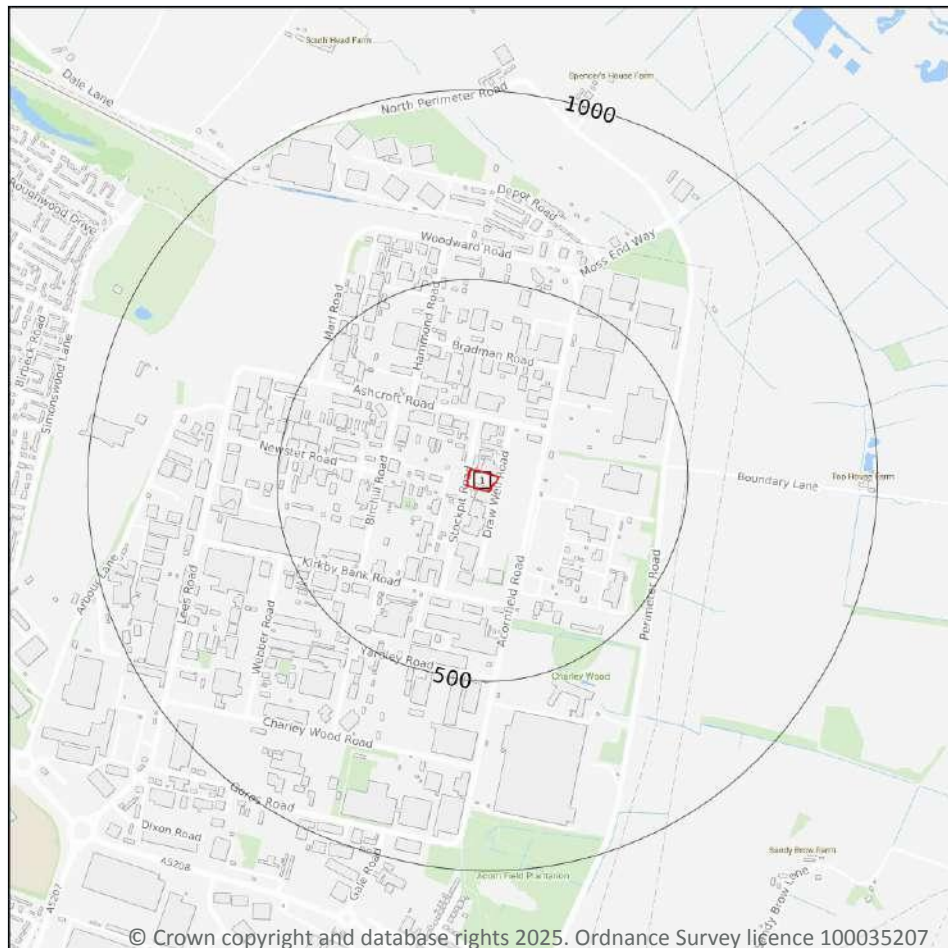
0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
Search buffers in metres (m)

☐ Geological map tile

15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

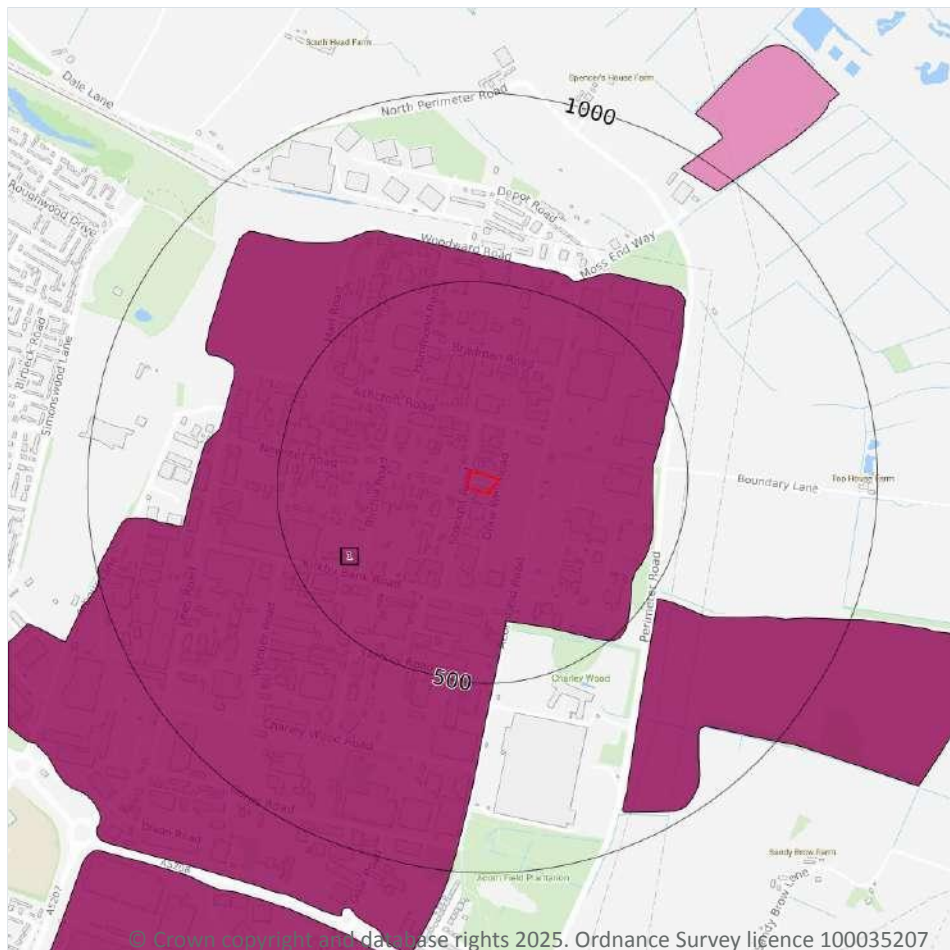
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 206](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	EW084_wigan_v4

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Artificial and made ground



- Site Outline
- Search buffers in metres (m)
- Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

1

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 207](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m**1**

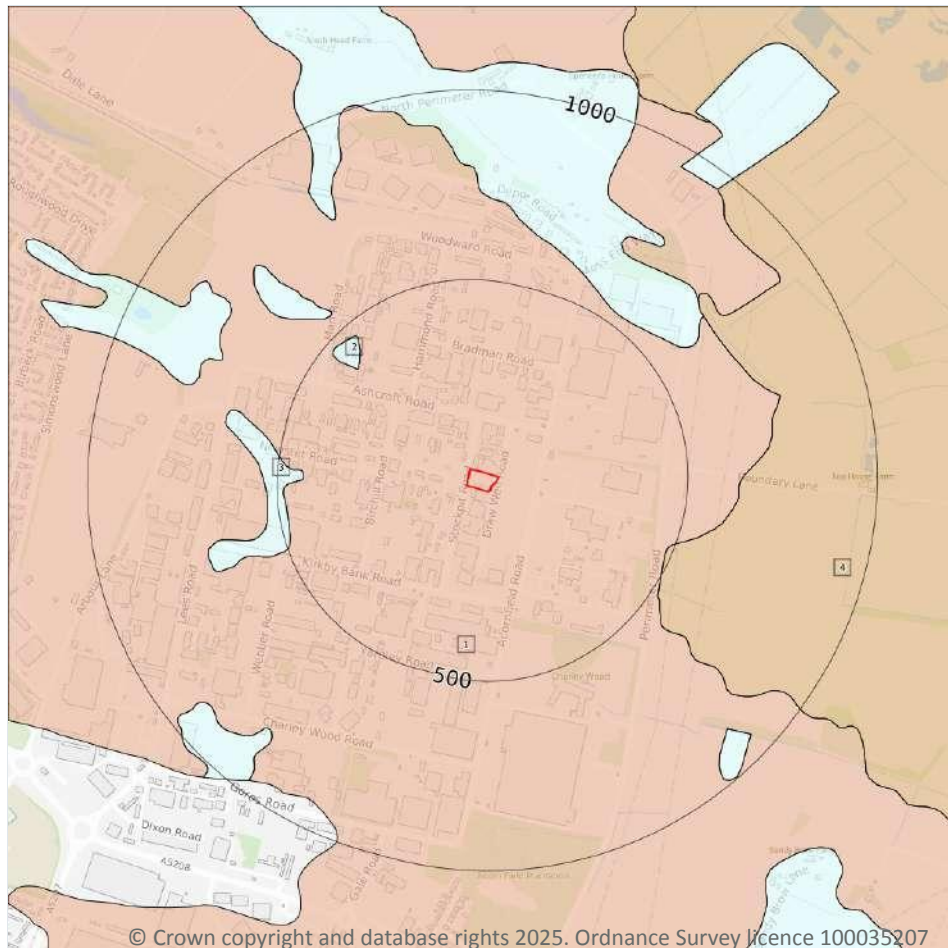
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Very High	Low

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

4

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 209](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	SSA-S	SHIRDLEY HILL SAND FORMATION	SAND
2	396m NW	TILLD-DMTN	TILL, DEVENSAN	DIAMICTON
3	431m W	TILLD-DMTN	TILL, DEVENSAN	DIAMICTON
4	483m E	PEAT-P	PEAT	PEAT

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

1

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

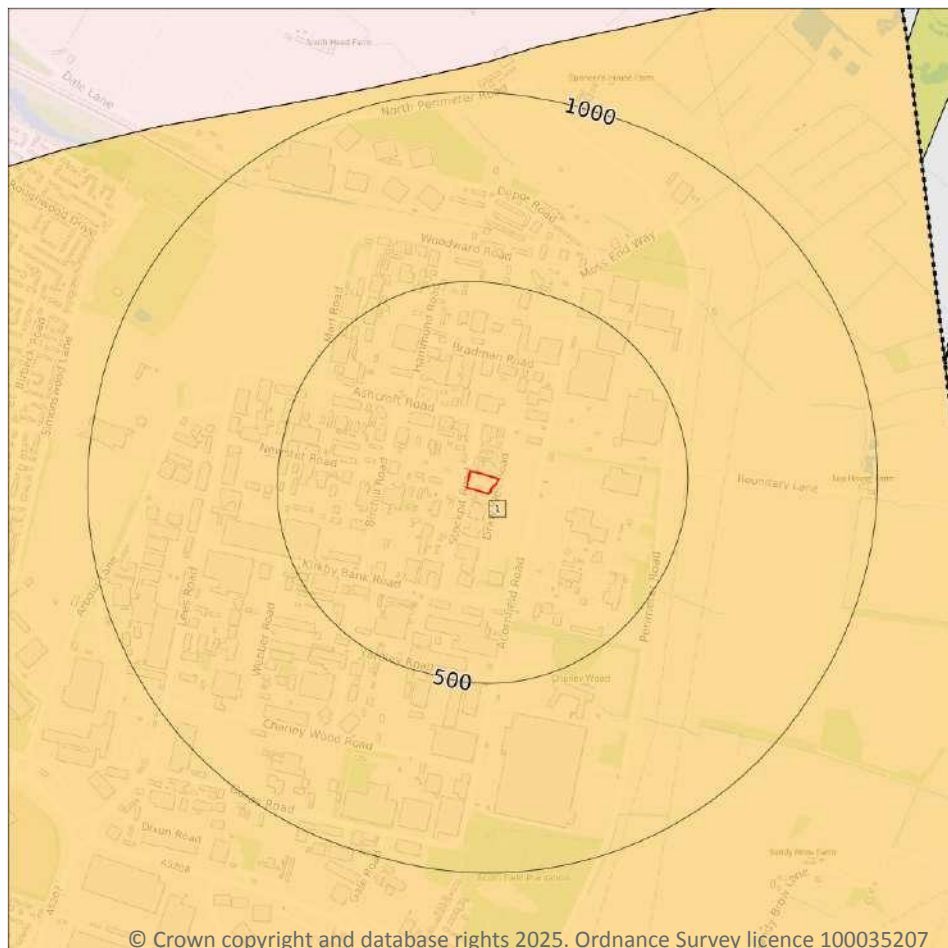
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

1

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 211](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	CHES-SDST	CHESTER FORMATION - SANDSTONE	OLENEKIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m**1**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Moderate

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

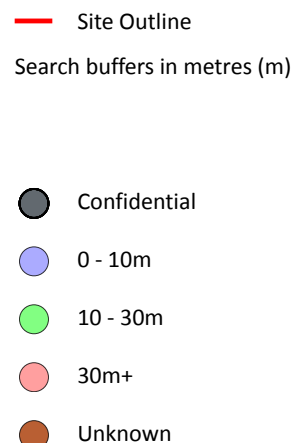
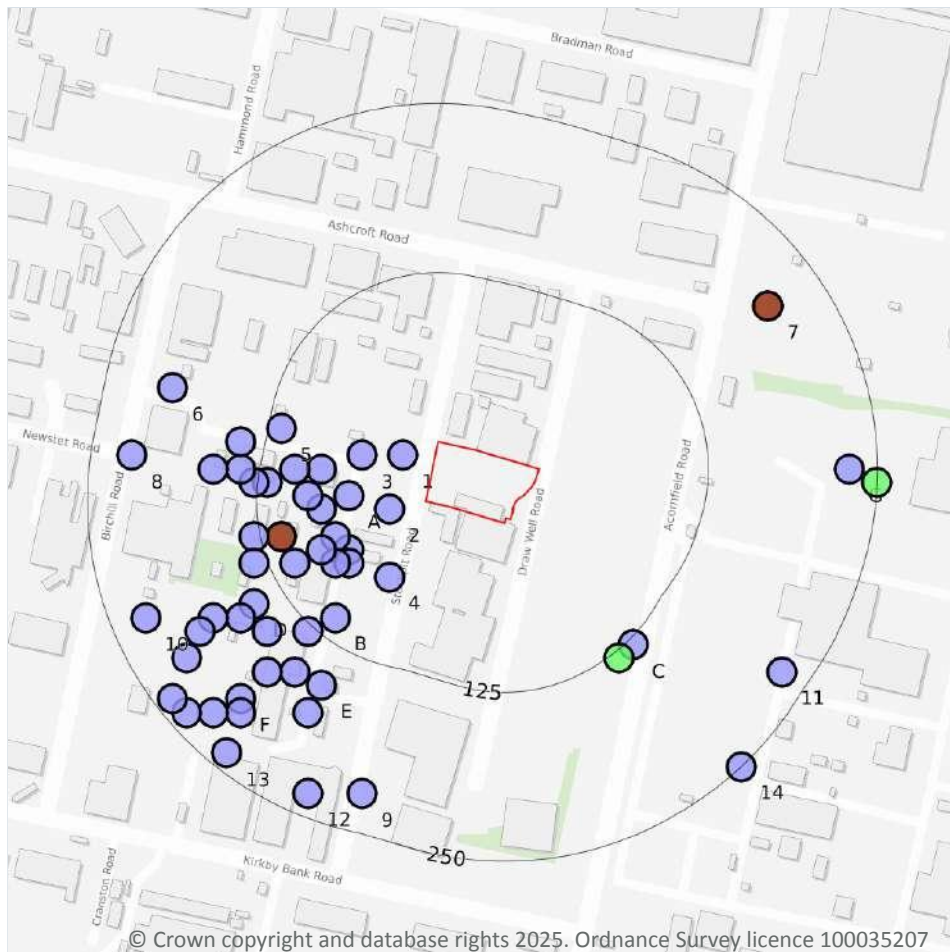
Records within 500m**0**

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

54

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 213](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	24m W	343520 398910	BAKER PETROLITE PHASE II KIRKBY WS206	4.3	N	17529685 ↗
2	28m W	343510 398870	BAKER PETROLITE PHASE II KIRKBY WS307	4.0	N	17529670 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
3	53m W	343490 398910	BAKER PETROLITE PHASE II KIRKBY WS305	4.0	N	17529667 ↗
A	57m W	343480 398880	BAKER PETROLITE PHASE II KIRKBY WS306	5.0	N	17529669 ↗
4	62m SW	343510 398820	BAKER PETROLITE PHASE II KIRKBY WS208	4.0	N	17529687 ↗
A	67m SW	343480 398840	BAKER PETROLITE PHASE II KIRKBY WS207	5.0	N	17529686 ↗
A	72m W	343470 398850	BAKER PETROLITE PHASE II KIRKBY WS321	3.6	N	17529706 ↗
A	73m SW	343480 398830	BAKER PETROLITE PHASE II KIRKBY WS309	3.9	N	17529672 ↗
A	77m W	343460 398870	BAKER PETROLITE PHASE II KIRKBY WS221	4.4	N	17529658 ↗
A	80m W	343460 398900	BAKER PETROLITE PHASE II KIRKBY WS304	3.5	N	17529666 ↗
A	81m SW	343470 398830	BAKER PETROLITE PHASE II KIRKBY WS308	3.6	N	17529671 ↗
A	85m SW	343460 398840	BAKER PETROLITE PHASE II KIRKBY WS322	2.9	N	17529707 ↗
A	87m W	343450 398880	BAKER PETROLITE PHASE II KIRKBY WS205	4.2	N	17529684 ↗
A	100m W	343440 398900	BAKER PETROLITE PHASE II KIRKBY WS101	3.6	N	17529714 ↗
A	107m SW	343440 398830	BAKER PETROLITE PHASE II KIRKBY WS310	3.6	N	17529673 ↗
B	109m SW	343470 398790	BAKER PETROLITE PHASE II KIRKBY WS311	3.6	N	17529674 ↗
A	110m W	343430 398850	PETROLITE LTD, KIRKBY	-1.0	N	165621 ↗
5	116m W	343430 398930	BAKER PETROLITE PHASE II KIRKBY WS204	5.0	N	17529683 ↗
A	118m W	343420 398890	BAKER PETROLITE PHASE II KIRKBY WS303	3.8	N	17529664 ↗
A	128m W	343410 398890	BAKER PETROLITE PHASE II KIRKBY WS302	4.7	N	17529662 ↗
C	130m SE	343690 398770	KODAK KIRKBY 3A(S)	5.0	N	17560461 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
A	130m W	343410 398850	BAKER PETROLITE PHASE II KIRKBY WS102	4.0	N	17529715 ↗
B	130m SW	343450 398780	BAKER PETROLITE PHASE II KIRKBY WS209	3.0	N	17529688 ↗
C	130m SE	343680 398760	KODAK KIRKBY 3A(D)	25.0	N	17560460 ↗
A	135m W	343410 398830	BAKER PETROLITE PHASE II KIRKBY WS103	3.0	N	17529716 ↗
A	139m W	343400 398900	BAKER PETROLITE PHASE II KIRKBY WS203	5.0	N	17529682 ↗
A	143m W	343400 398920	BAKER PETROLITE PHASE II KIRKBY WS222	5.0	N	17529660 ↗
D	148m SW	343410 398800	BAKER PETROLITE PHASE II KIRKBY WS210	3.6	N	17529690 ↗
D	151m SW	343420 398780	BAKER PETROLITE PHASE II KIRKBY WS104	3.0	N	17529717 ↗
E	156m SW	343460 398740	BAKER PETROLITE PHASE II KIRKBY WS211	7.0	N	17529692 ↗
A	159m W	343380 398900	BAKER PETROLITE PHASE II KIRKBY WS301	3.7	N	17529661 ↗
E	159m SW	343440 398750	BAKER PETROLITE PHASE II KIRKBY WS312	3.6	N	17529675 ↗
D	162m SW	343400 398790	BAKER PETROLITE PHASE II KIRKBY WS105	3.5	N	17529718 ↗
E	172m SW	343420 398750	BAKER PETROLITE PHASE II KIRKBY WS313	3.8	N	17529676 ↗
E	179m SW	343450 398720	BAKER PETROLITE PHASE II KIRKBY WS320	0.9	N	17529704 ↗
D	179m SW	343380 398790	BAKER PETROLITE PHASE II KIRKBY WS106	3.0	N	17529719 ↗
D	193m SW	343370 398780	BAKER PETROLITE PHASE II KIRKBY WS107	2.0	N	17529720 ↗
6	200m W	343350 398960	BAKER PETROLITE PHASE II KIRKBY WS201	5.0	N	17529680 ↗
F	200m SW	343400 398730	BAKER PETROLITE PHASE II KIRKBY WS108	3.0	N	17529721 ↗
7	208m NE	343790 399020	ASHCROFT ROAD, KIRKBY	-1.0	N	165619 ↗

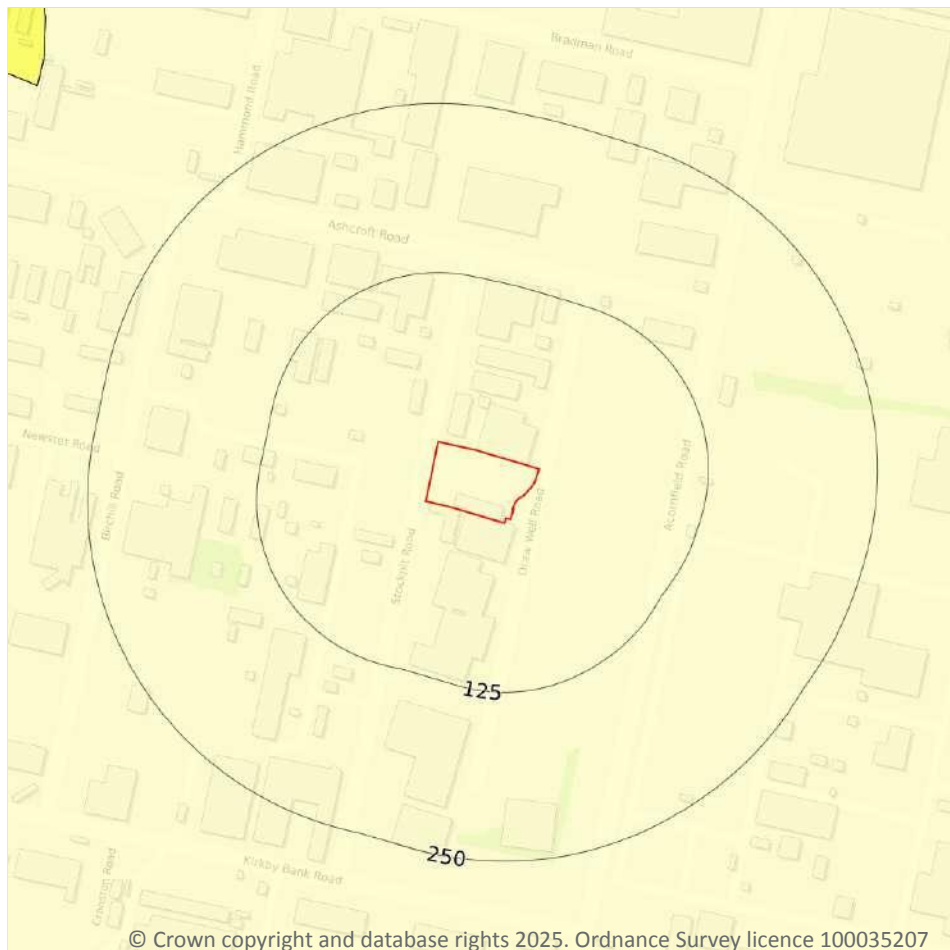


ID	Location	Grid reference	Name	Length	Confidential	Web link
F	208m SW	343400 398720	BAKER PETROLITE PHASE II KIRKBY WS314	5.0	N	17529677 ↗
D	212m SW	343360 398760	BAKER PETROLITE PHASE II KIRKBY WS315	3.8	N	17529678 ↗
8	220m W	343320 398910	BAKER PETROLITE PHASE II KIRKBY WS202	5.0	N	17529681 ↗
9	221m S	343490 398660	BAKER PETROLITE PHASE II KIRKBY WS220	5.0	N	17529657 ↗
F	221m SW	343380 398720	BAKER PETROLITE PHASE II KIRKBY WS214	4.0	N	17529695 ↗
10	224m W	343330 398790	BAKER PETROLITE PHASE II KIRKBY WS216	6.0	N	17529698 ↗
G	229m E	343850 398900	KODAK KIRKBY WS3	2.0	N	17560192 ↗
11	230m SE	343800 398750	KODAK KIRKBY WS10	0.4	N	17560200 ↗
12	233m SW	343450 398660	BAKER PETROLITE PHASE II KIRKBY WS212	5.0	N	17529693 ↗
F	236m SW	343360 398720	BAKER PETROLITE PHASE II KIRKBY WS109	2.8	N	17529722 ↗
13	237m SW	343390 398690	BAKER PETROLITE PHASE II KIRKBY WS213	5.0	N	17529694 ↗
F	237m SW	343350 398730	BAKER PETROLITE PHASE II KIRKBY WS215	4.0	N	17529696 ↗
G	249m E	343870 398890	KODAK KIRKBY 1A(D)	25.0	N	17560408 ↗
14	250m SE	343770 398680	KODAK KIRKBY WS13	2.0	N	17560202 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.1 Shrink swell clays

Records within 50m

1

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

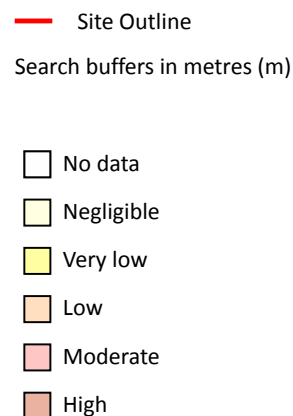
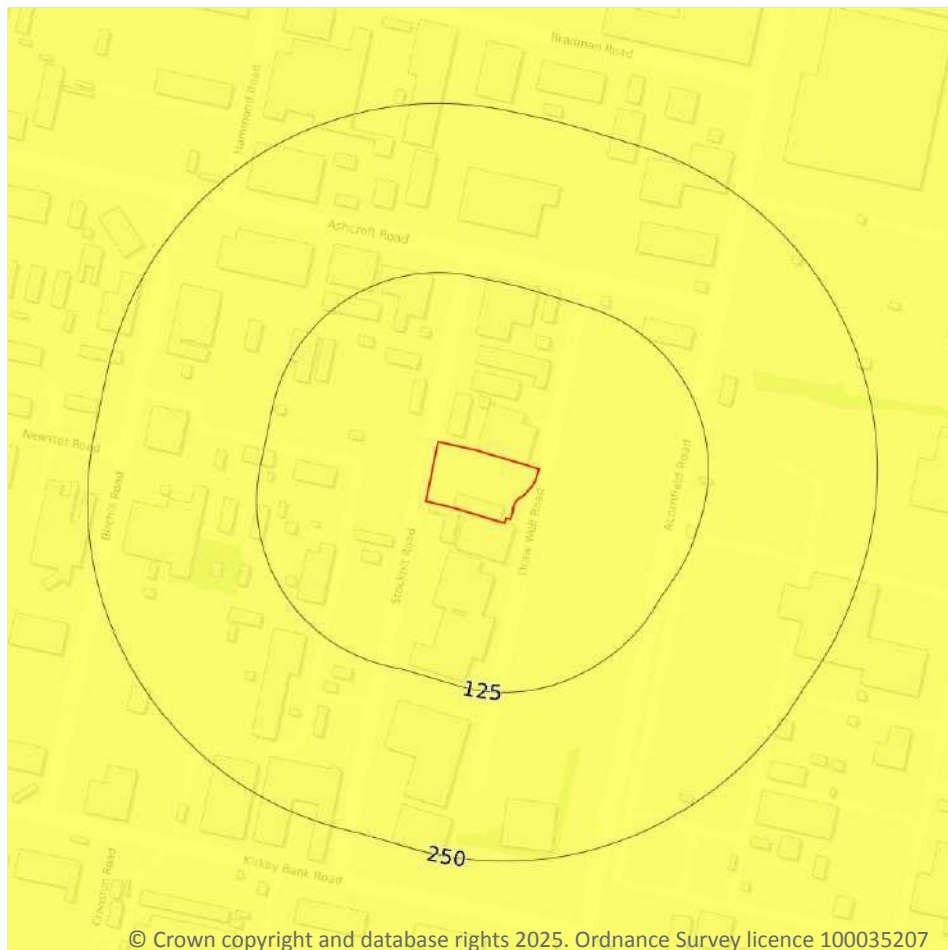
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 217 >](#)

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

1

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

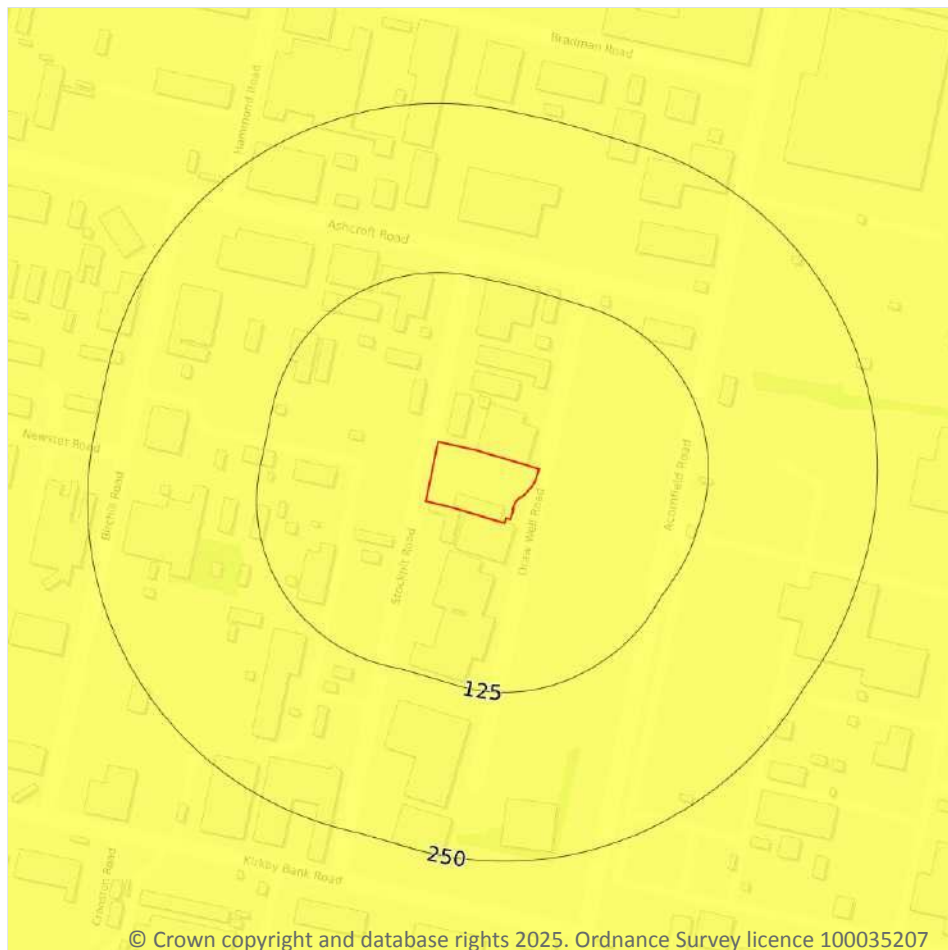
Features are displayed on the Natural ground subsidence - Running sands map on [page 218 >](#)

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☒ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.3 Compressible deposits

Records within 50m

1

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

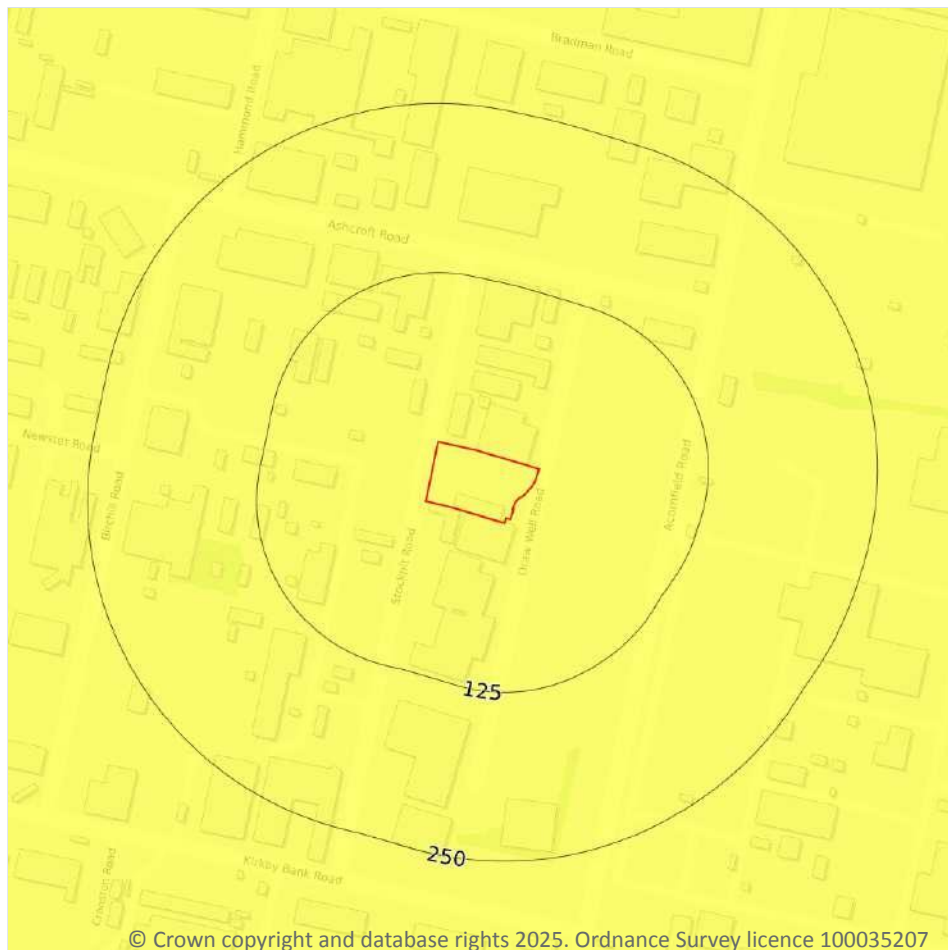
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 219](#) >

Location	Hazard rating	Details
On site	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☒ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.4 Collapsible deposits

Records within 50m

1

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

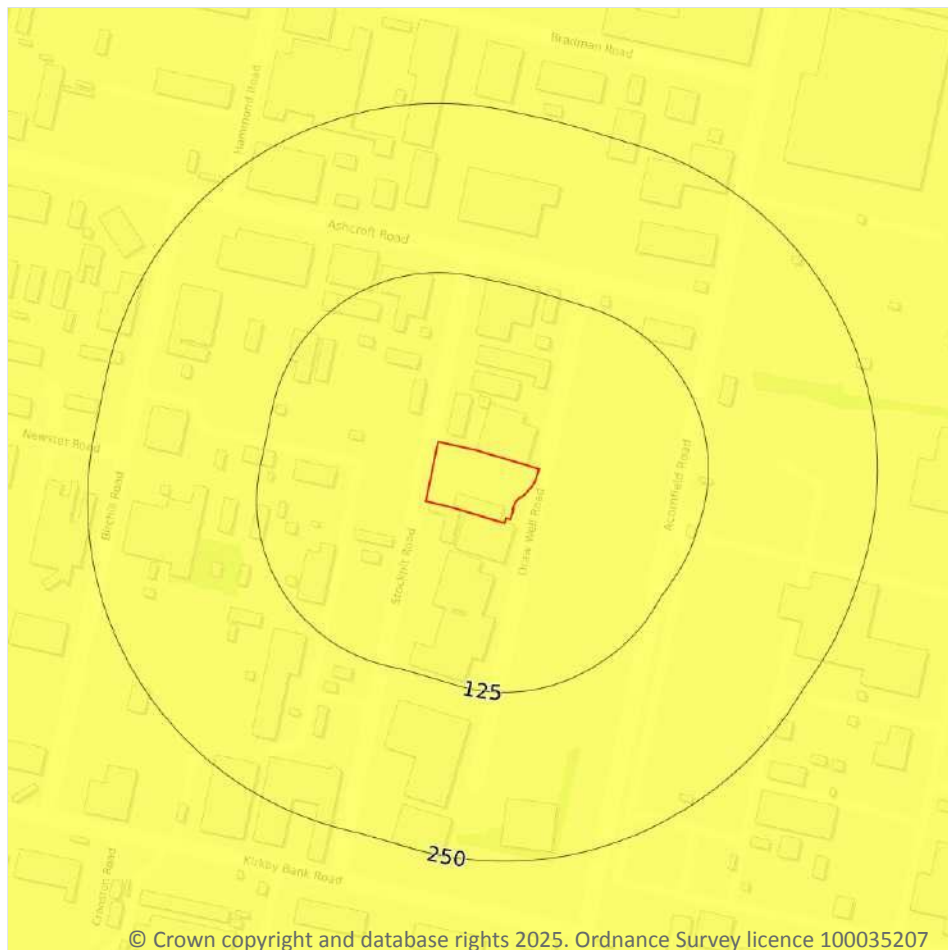
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 220 >](#)

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☒ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.5 Landslides

Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

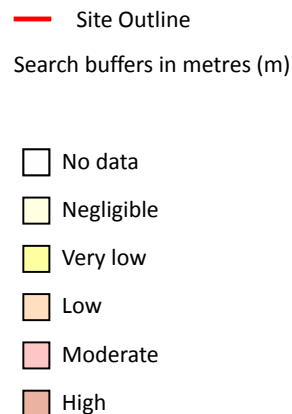
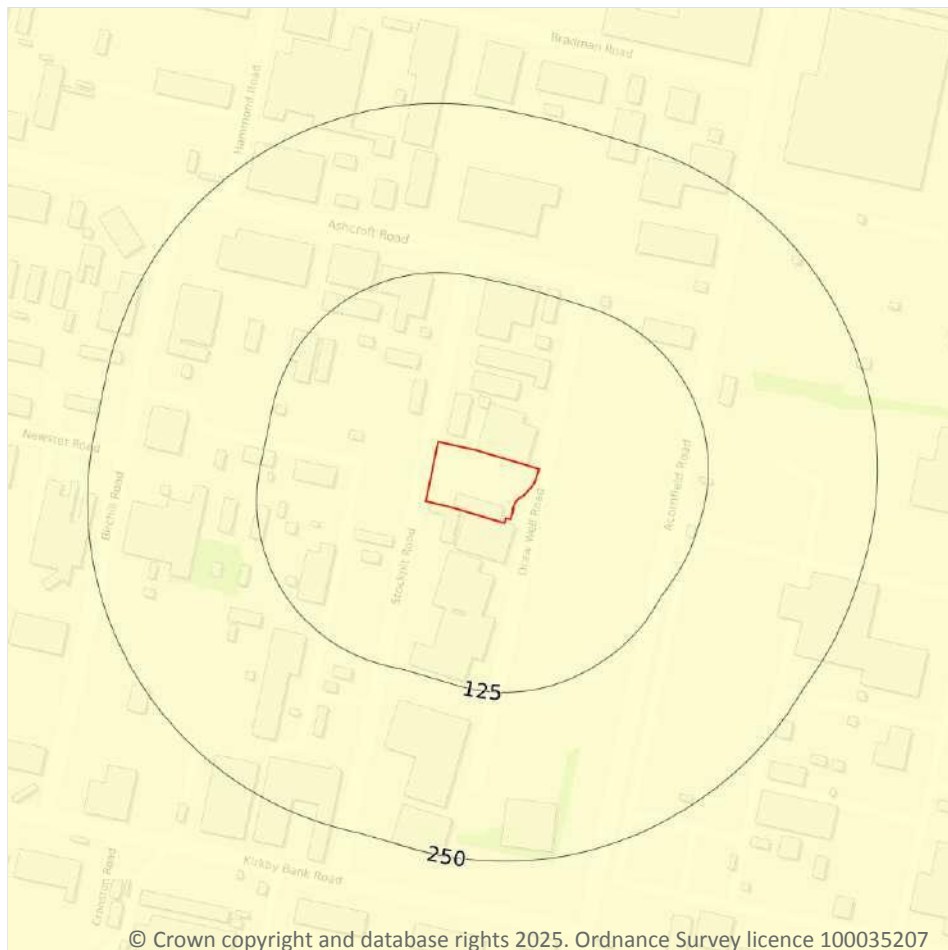
Features are displayed on the Natural ground subsidence - Landslides map on [page 221](#) >

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 222](#) >

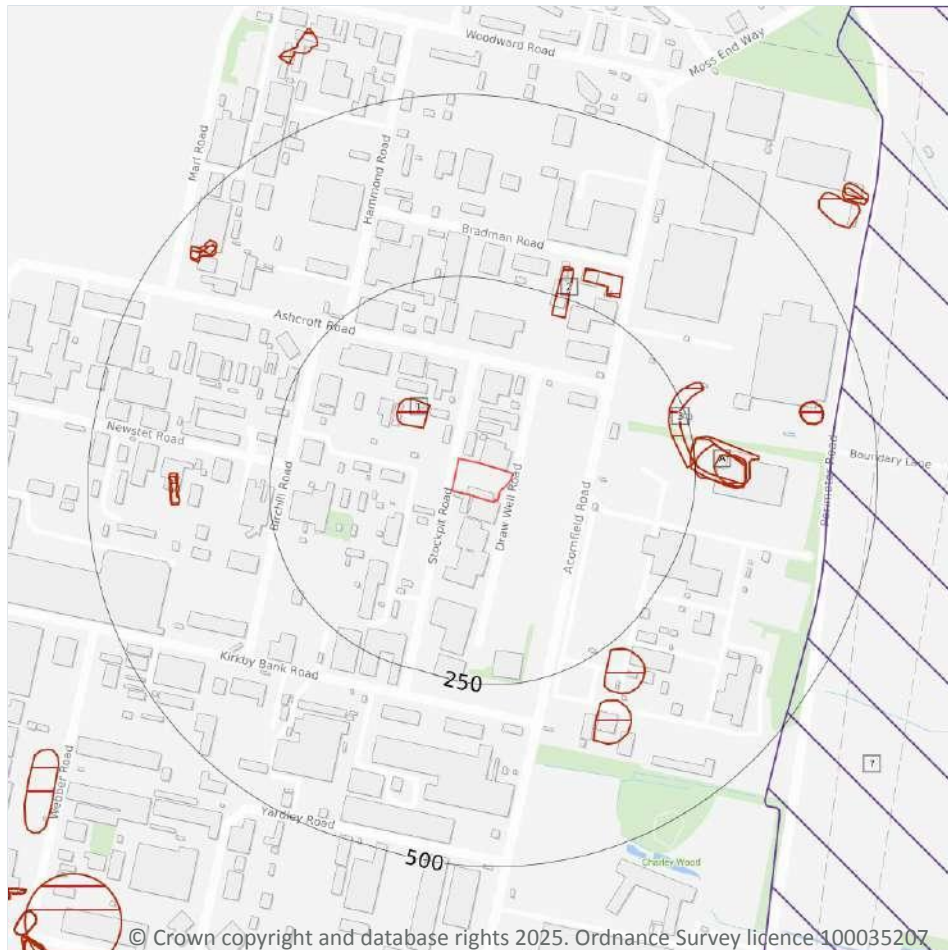
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

0

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

6

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 224 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
1	64m NW	Unspecified Heap	1966	1:10560
2	223m NE	Unspecified Heap	1978	1:10000
3	224m E	Unspecified Heap	1956	1:10560
A	244m E	Marl Pit	1928	1:10560
A	250m E	Marl Pit	1956	1:10560
A	250m E	Marl Pit	1907	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

1

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining and ground workings map on [page 224 >](#)

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
7	434m E	Rainford Road	Sand	Surface mineral working	Valid	10/3/47

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

0

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.



18.9 Researched mining

Records within 500m

0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

0

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site

0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.



18.14 Gypsum areas

Records on site	0
-----------------	---

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0
-----------------	---

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0
-----------------	---

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

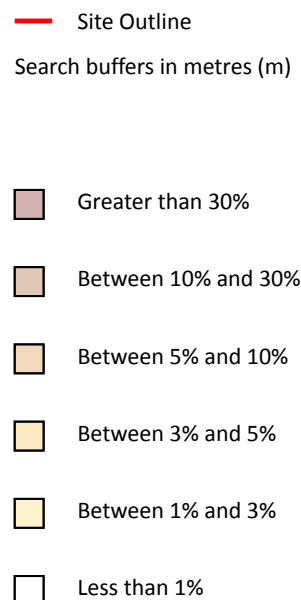
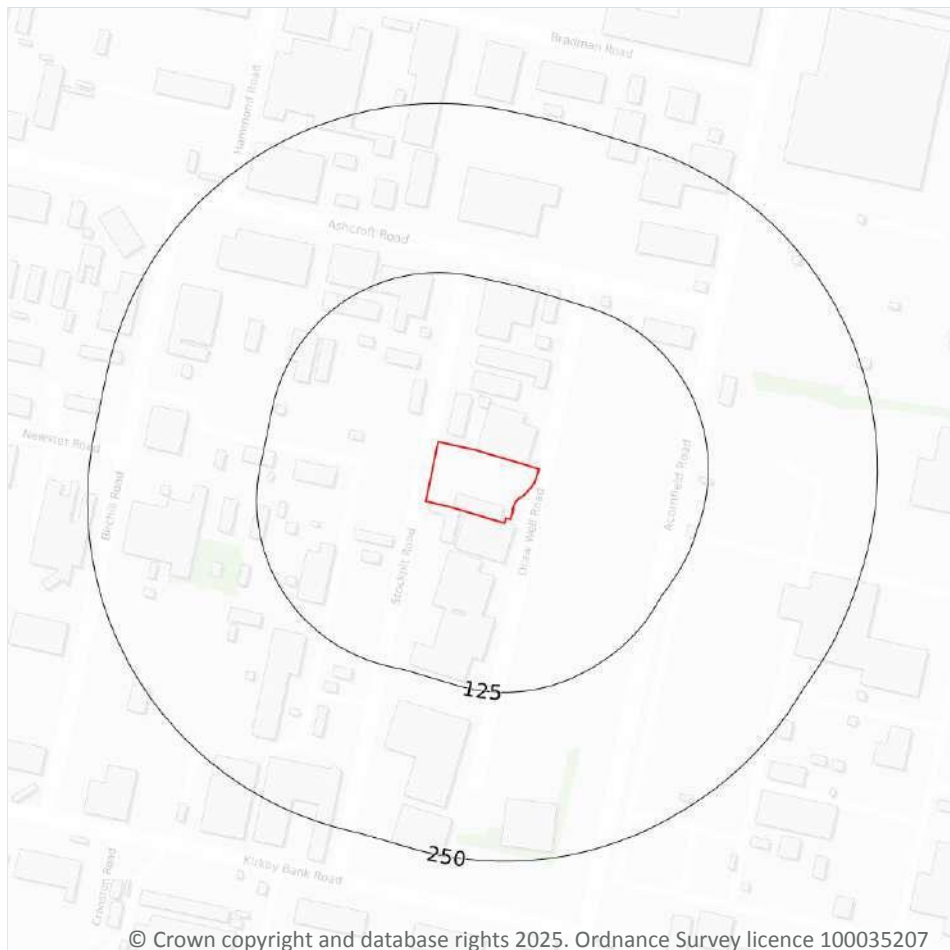
Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



20.1 Radon

Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 231](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None



This data is sourced from the British Geological Survey and UK Health Security Agency.



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

2

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
37m W	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

24

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on [page 234 >](#)

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1960	1250
On site	Railway Sidings	1972	1250
On site	Railway Sidings	1962	2500
On site	Railway Sidings	1971	2500
On site	Railway Sidings	1966	10560
On site	Railway Sidings	1978	10000
12m W	Railway Sidings	1972	1250
13m W	Disused Railway Sidings	1962	2500
13m W	Railway Sidings	1960	1250
59m NE	Railway Sidings	1960	1250
79m N	Railway Sidings	1962	2500
115m SW	Railway Sidings	1960	1250
116m SW	Disused Railway Sidings	1962	2500
126m N	Railway Sidings	1962	1250
180m NW	Railway Sidings	1971	1250
209m W	Disused Railway Sidings	1962	2500
210m W	Railway Sidings	1960	1250



Location	Land Use	Year of mapping	Mapping scale
220m NW	Railway Sidings	1962	1250
226m W	Disused Railway Sidings	1962	2500
227m N	Railway Sidings	1986	1250
228m W	Railway Sidings	1960	1250
235m W	Disused Railway Sidings	1962	2500
236m W	Railway Sidings	1960	1250
245m NW	Railway Sidings	1971	1250

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.



22.8 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.



APPENDIX C

Potential Pollutant Linkages

Phase 1 - Preliminary Risk Assessment
Land at Phoenix House, Stockpit Road
 Report Ref BEK-25026-1, March 2025



Source	Contaminant	Potential Migration Pathway	Potential Receptors	Likelihood of Occurrence	Magnitude of Occurrence	Overall Risk Rating	Active/Inactive
On-Site Potential Sources							
Made Ground	Ground gas	Vertical and lateral migration	Future site users	Moderate	Severe	High	Potentially Active – Further investigation required
	Asbestos fibres	Inhalation and ingestion of impacted soils	Future site users	Moderate	Severe	High	Potentially Active – Further investigation required
	Metals (Pb, As, Cd, Cr, Hg) & Organics	Vertical and lateral migration/ Inhalation and ingestion/ dermal contact	Future Site Users/ Controlled waters	High	Severe	Very high	Potentially Active – Further investigation required
			Flora	High	Moderate	High	
			Concrete/ services	Moderate	Moderate	Moderate	
			Controlled Waters	High	Severe	Very high	
		Dissolution or suspension (leaching)	Flora	Moderate	Moderate	Moderate	Potentially Active – Further investigation required
			Controlled waters	Moderate	Moderate	Moderate	

Phase 1 - Preliminary Risk Assessment
Land at Phoenix House, Stockpit Road
 Report Ref BEK-25026-1, March 2025



Source	Contaminant	Potential Migration Pathway	Potential Receptors	Likelihood of Occurrence	Magnitude of Occurrence	Overall Risk Rating	Active/Inactive
Railway Sidings (1939-1986)	Metals (Pb, As, Cd, Cr, Hg)	Dermal contact with impacted soils	Future site users	Low	Severe	Moderate	Potentially Active – Further investigation required
		Vertical and lateral migration	Future site users/ controlled waters	Low	Moderate	Low/ Moderate	
		Inhalation and ingestion of impacted soils	Future site users	Low	Severe	Low/ Moderate	
	PAH (Polycyclic Aromatic Hydrocarbons)	Dermal contact with impacted soils	Future site users	Low	Severe	Low/ Moderate	Potentially Active – Further investigation required
		Inhalation and ingestion of impacted soils	Future site users	Low	Severe	Low/ Moderate	
Off-Site Potential Sources							
Made ground (present) (Artificial Deposit identified)	Ground gas	Lateral migration	Future site users	Moderate	Severe	High	Potentially Active – Further investigation required
WWII Bunkers (1939-2010) (Immediately North, east and south)	Metals (Pb, As, Cd, Cr, Hg)	Dermal contact with impacted soils	Future site users	Low	Severe	Moderate	Potentially Active – Further investigation required
		Vertical and lateral migration	Future site users/ controlled waters	Low	Moderate	Low/ Moderate	

Phase 1 - Preliminary Risk Assessment
Land at Phoenix House, Stockpit Road
 Report Ref BEK-25026-1, March 2025



Source	Contaminant	Potential Migration Pathway	Potential Receptors	Likelihood of Occurrence	Magnitude of Occurrence	Overall Risk Rating	Active/Inactive
		Inhalation and ingestion of impacted soils	Future site users	Low	Severe	Moderate	
Railway (1939-1986) Immediately northeast	Metals (Pb, As, Cd, Cr, Hg)	Dermal contact with impacted soils	Future site users	Low	Severe	Moderate	Potentially Active – Further investigation required
		Vertical and lateral migration	Future site users/ controlled waters	Low	Moderate	Low/ Moderate	
		Inhalation and ingestion of impacted soils	Future site users	Very Low	Severe	Low/ Moderate	
	PAH (Polycyclic Aromatic Hydrocarbons)	Dermal contact with impacted soils	Future site users	Very Low	Severe	Low/ Moderate	Potentially Active – Further investigation required
		Inhalation and ingestion of impacted soils	Future site users	Very low	Severe	Low/ Moderate	
Industrial estate (1956-present) 10m north, south and east	Metals (Pb, As, Cd, Cr, Hg)	Dermal contact with impacted soils	Future site users	Very low	Severe	Low/ Moderate	Potentially Active – Further investigation required
		Vertical and lateral migration	Future site users/ controlled waters	Very low	Moderate	Low	
		Inhalation and ingestion of impacted soils	Future site users	Very Low	Severe	Low/ Moderate	

Phase 1 - Preliminary Risk Assessment
Land at Phoenix House, Stockpit Road
 Report Ref BEK-25026-1, March 2025



Source	Contaminant	Potential Migration Pathway	Potential Receptors	Likelihood of Occurrence	Magnitude of Occurrence	Overall Risk Rating	Active/Inactive
	PAH (Polycyclic Aromatic Hydrocarbons)	Dermal contact with impacted soils	Future site users	Very low	Severe	Low/ Moderate	Potentially Active – Further investigation required
		Inhalation and ingestion of impacted soils	Future site users	Very low	Severe	Low/ Moderate	
	PAH (Polycyclic Aromatic Hydrocarbons)	Dermal contact with impacted soils	Future site users	Very low	Severe	Low/ Moderate	Potentially Active – Further investigation required
		Inhalation and ingestion of impacted soils	Future site users	Very low	Severe	Low/ Moderate	
Waste sites (61m southwest, 63m and 64m south)	Ground gas	Lateral migration	Future site users	Low	Severe	Moderate	Inactive – Due to distance, any contaminants are unlikely to affect site.
	Metals (Pb, As, Cd, Cr, Hg)	Dermal contact with impacted soils	Future site users	Very low	Severe	Low/ Moderate	Inactive – Due to the distance, direction (anticipated groundwater flow) and low mobility of metals, any contaminants are unlikely to affect the site.
		Vertical and lateral migration	Future site users/ controlled waters	Very Low	Moderate	Low	
		Inhalation and ingestion of impacted soils	Future site users	Very Low	Severe	Low/ Moderate	
	PAH (Polycyclic Aromatic Hydrocarbons)	Dermal contact with impacted soils	Future site users	Very low	Severe	Low/ Moderate	Inactive – Due to the distance and direction (anticipated groundwater flow), any contaminants are unlikely to affect the site.
		Inhalation and ingestion of impacted soils	Future site users	Very Low	Severe	Low/ Moderate	

Phase 1 - Preliminary Risk Assessment
Land at Phoenix House, Stockpit Road
Report Ref BEK-25026-1, March 2025



Source	Contaminant	Potential Migration Pathway	Potential Receptors	Likelihood of Occurrence	Magnitude of Occurrence	Overall Risk Rating	Active/Inactive
Tank farms (1994-Present) 30m west, 46m and 75m southwest)	Metals (Pb, As, Cd, Cr, Hg)	Dermal contact with impacted soils	Future site users	Very Low	Severe	Low/ Moderate	Inactive – Due to the distance, direction (anticipated groundwater flow) and low mobility of metals, any contaminants are unlikely to affect the site.
		Vertical and lateral migration	Future site users/ controlled waters	Very Low	Moderate	Low/ Moderate	
		Inhalation and ingestion of impacted soils	Future site users	Very Low	Severe	Low/ Moderate	
	TPH (Total Petroleum Hydrocarbons)	Lateral migration	Future site users	Very Low	Severe	Low/ Moderate	Inactive – Due to the distance and direction (anticipated groundwater flow), any contaminants are unlikely to affect the site.
		Dermal contact with impacted soils	Future site users	Very Low	Severe	Low/ Moderate	
		Inhalation and ingestion of impacted soils	Future site users	Very Low	Severe	Low/ Moderate	

APPENDIX D

Photographs



P1: Site access in the north-west

P2: Buildings in the south



P3: Crates along western boundary

P4: Steel beams in the north-west



P5: Tonne bags in the north

P6: Various machinery in the east



GEO-ENVIRONMENTAL CONSULTING

Comments:

Photographs 1 to 6

This appendix is for illustrative purposes only and is for use only in conjunction with associated reports relating to the project

Site: Phoenix House, Kirkby

Title: Appendix D - Site Photographs

Project No:
25026

Created By:
AB

Date:
March 2025

Client: Mulberry Waste Limited



P7: Various machinery in the east



P8: Various machinery in the east



P9: Various machinery in the east



P10: Inside the temporary cabin



P11: Inside the warehouse



P12: Tank and shipping container in the south-east



GEO-ENVIRONMENTAL CONSULTING

Comments:

Photographs 7 to 12

This appendix is for illustrative purposes only and is for use only in conjunction with associated reports relating to the project

Site: Phoenix House, Kirkby

Title: Appendix D - Site Photographs

Project No:
25026

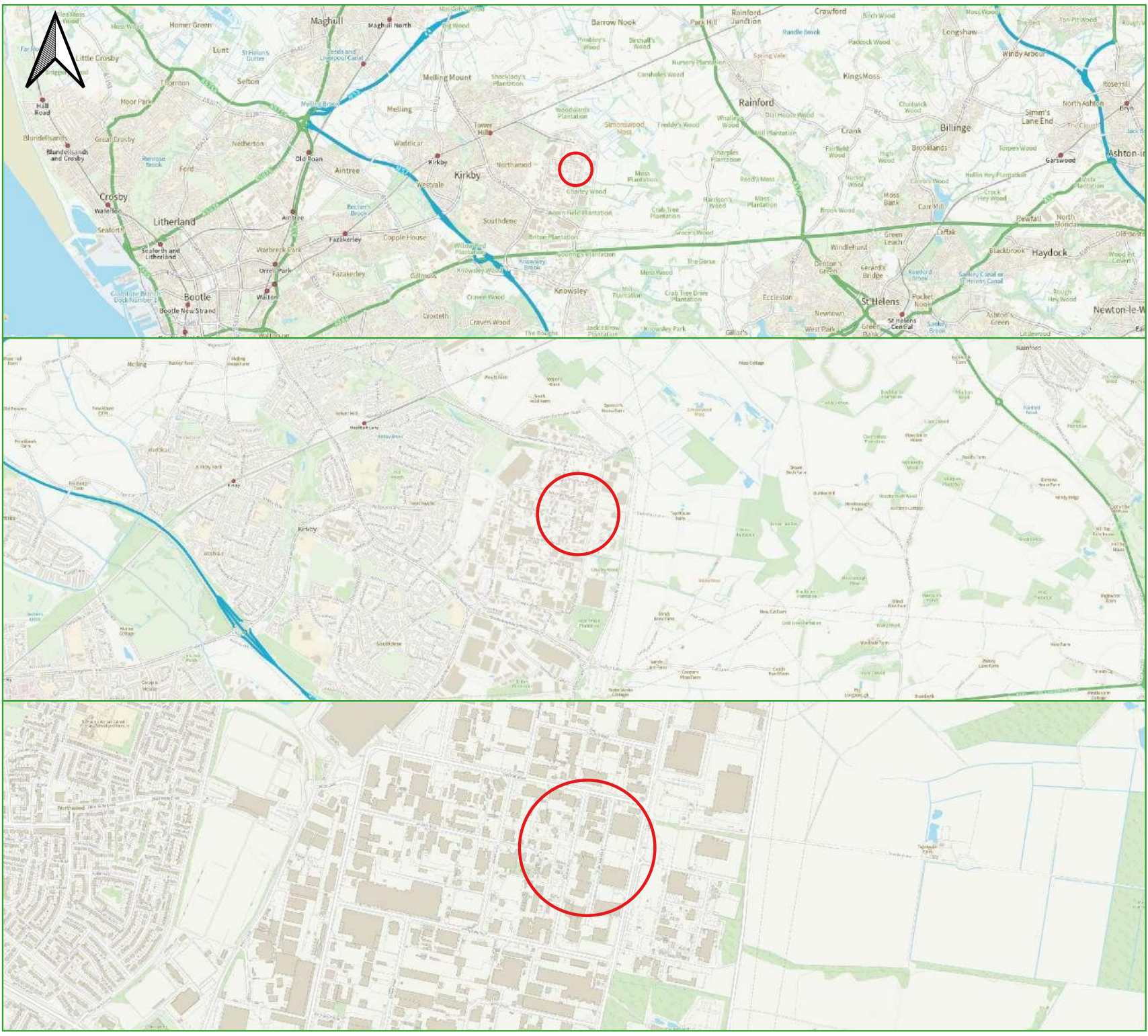
Created By:
AB

Date:
March 2025

Client: Mulberry Waste Limited

APPENDIX E

Drawings



Key

 Site location

The client must not amend any drawing, design or other intellectual property produced by BEK without permission in writing from BEK in advance of any amendments being made.

In the event that such written permission is not obtained in advance of the amendments being made BEK shall not be liable for any damage and/or losses incurred as a result of the amended drawing, design or intellectual property.

Contains Contains OS data © Crown copyright and database right 2021.
Contains Environment Agency Lidar Data available under the Open Government Licence (OGL). © OpenStreetMap contributors.

Rev	Description	Date	BY



No.2 Landwick Court, Metcalf Drive, Altham Business Park,
Lancashire, BB5 5TU
Tel: 01254 377622 Mob:07906753583
Email: mbuckley@bekenviro.co.uk
Web: www.bekenviro.co.uk

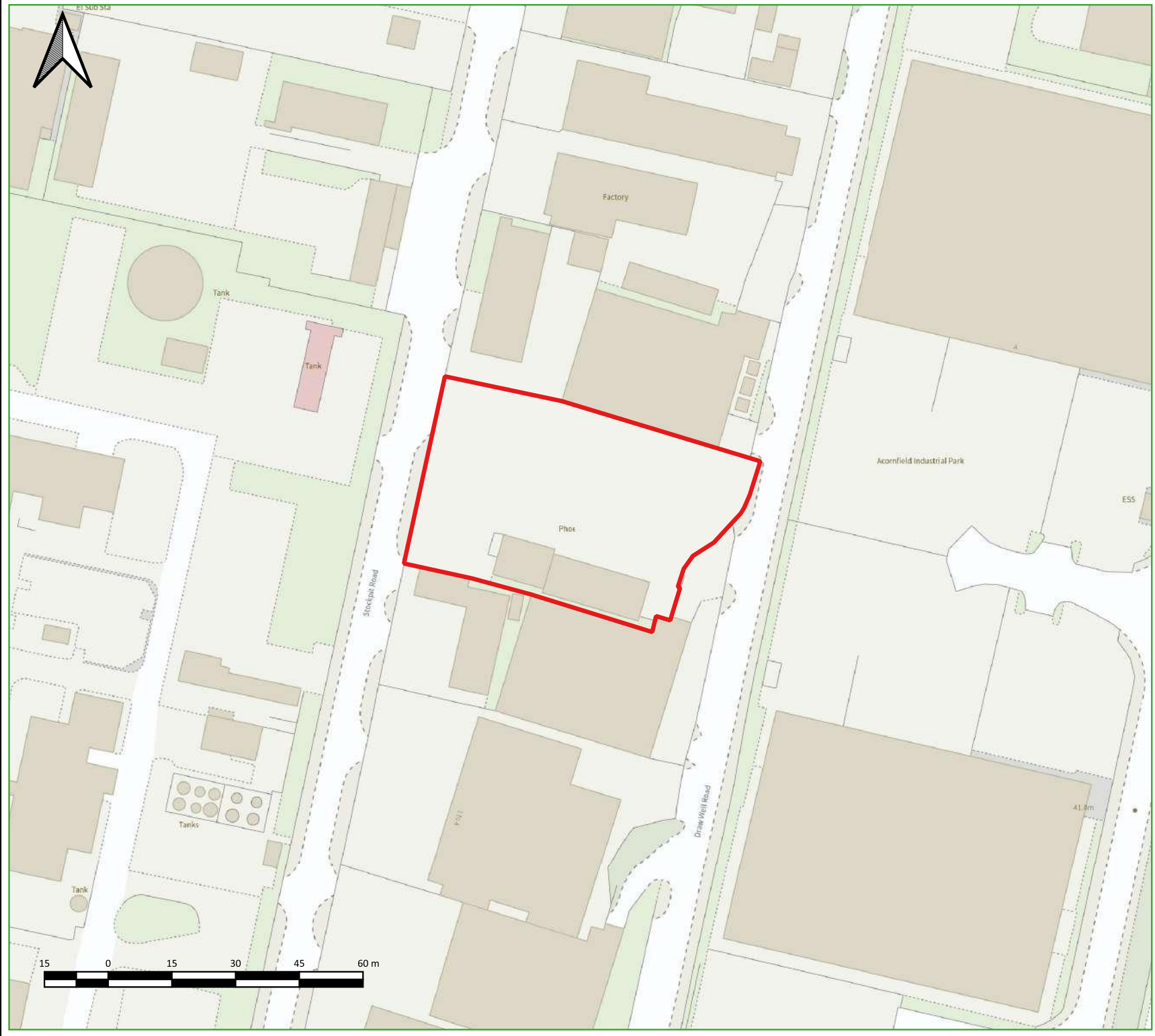
Client:
Mulberry Waste Limited

Job Title:
Land at Phoenix House, Stockpit Road

Drawing Title:
Site Location Plan

Scale @ A3	Drawn By: PC	Approved By: MB	Date: 21/03/25
------------	--------------	-----------------	----------------

Drawing No: 25026-1	Rev:A
------------------------	-------



Key

Site boundary

The client must not amend any drawing, design or other intellectual property produced by BEK without permission in writing from BEK in advance of any amendments being made.

In the event that such written permission is not obtained in advance of the amendments being made BEK shall not be liable for any damage and/or losses incurred as a result of the amended drawing, design or intellectual property.

Contains OS data © Crown copyright and database right 2021.
Contains Environment Agency Lidar Data available under the Open Government Licence (OGL). © OpenStreetMap contributors.

Rev:	Description	Date	BY

No.2 Landwick Court, Metcalf Drive, Altham Business Park,
Lancashire, BB5 5TU
Tel: 01254 377622 Mob:07906753583
Email: mbuckley@bekenviro.co.uk
Web: www.bekenviro.co.uk

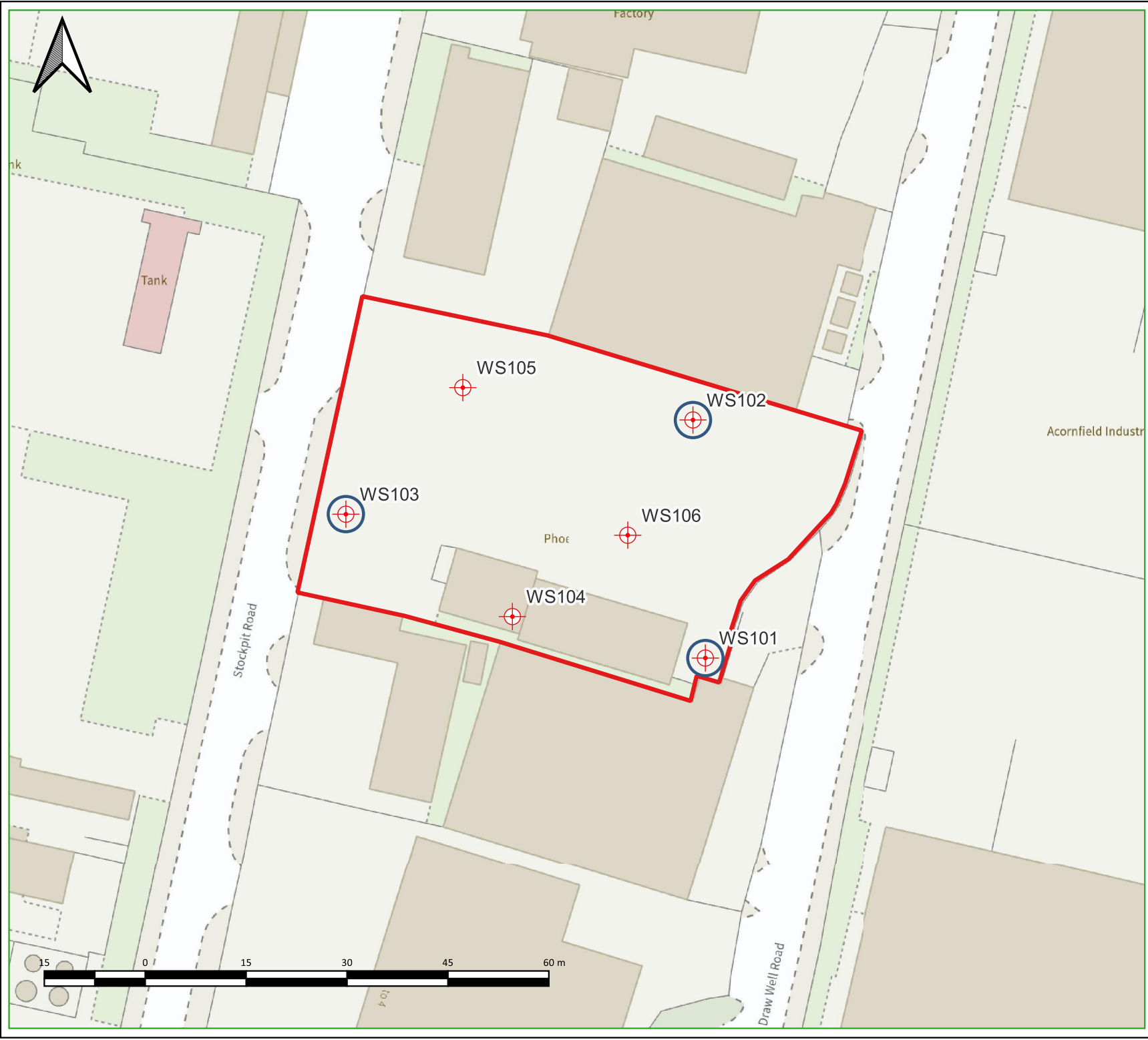
Client:
Mulberry Waste Limited

Job Title:
Land at Phoenix House, Stockpit Road

Drawing Title:
Site Layout Plan

Scale @ A3	Drawn By: PC	Approved By: MB	Date: 21/03/25
------------	--------------	-----------------	----------------

Drawing No: 25026-2	Rev: A
------------------------	--------



Key

-  WS Locations
-  Well Installations
-  Site boundary

The client must not amend any drawing, design or other intellectual property produced by BEK without permission in writing from BEK in advance of any amendments being made.

In the event that such written permission is not obtained in advance of the amendments being made BEK shall not be liable for any damage and/or losses incurred as a result of the amended drawing, design or intellectual property.

Contains Contains OS data © Crown copyright and database right 2021.
Contains Environment Agency Lidar Data available under the Open Government Licence (OGL). © OpenStreetMap contributors.

Rev:	Description	Date	BY



No.2 Landwick Court, Metcalf Drive, Altham Business Park,
Lancashire, BB5 5TU
Tel: 01254 377622 Mob:07906753583
Email: mbuckley@bekenviro.co.uk
Web: www.bekenviro.co.uk

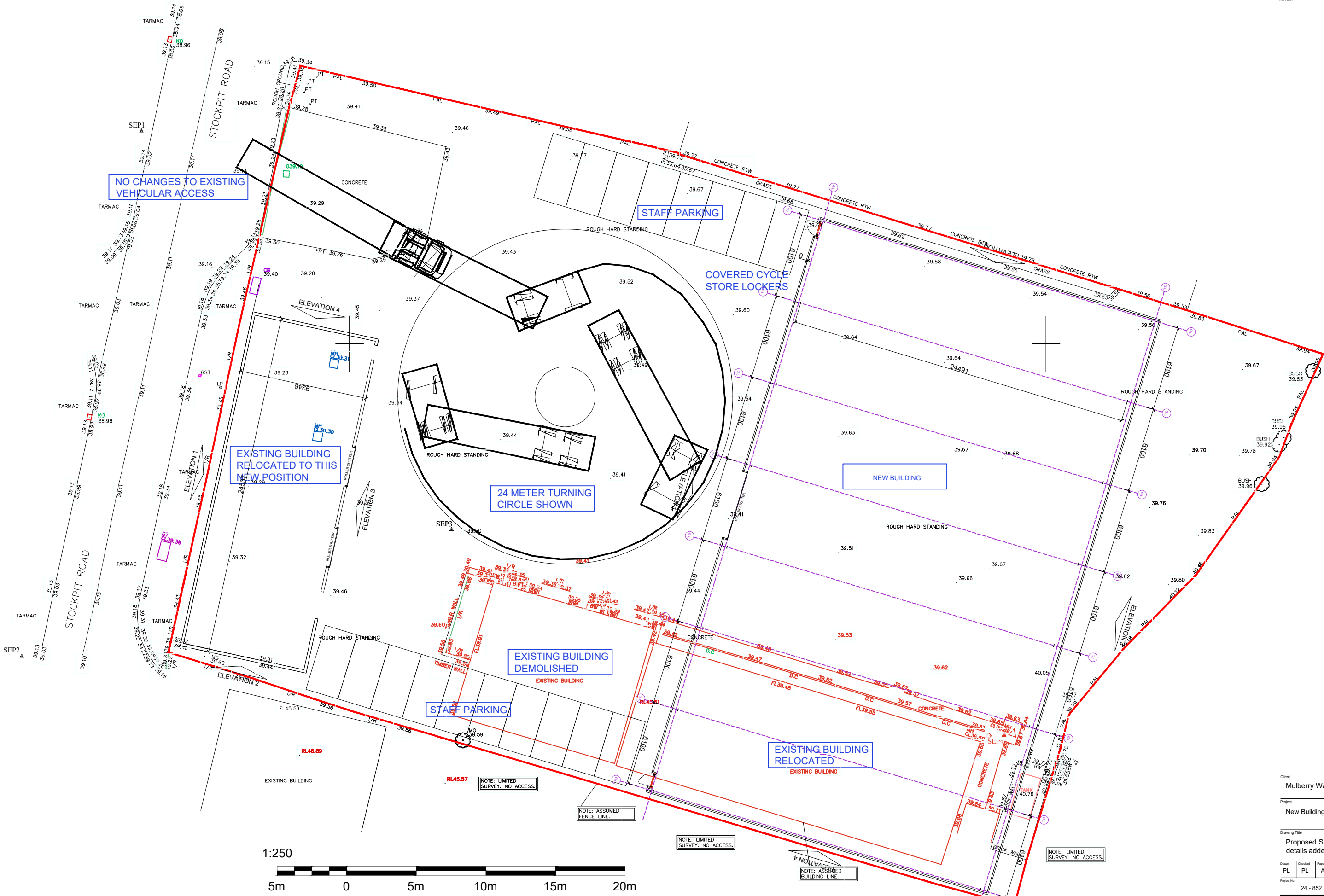
Client:
Mulberry Waste Limited

Job Title:
Land at Phoenix House, Stockpit Road

Drawing Title:
Intrusive Location Plan

Scale @ A3	Drawn By: PC	Approved By: MB	Date: 12/06/25
------------	-----------------	--------------------	-------------------

Drawing No: 25026-3	Rev: B
------------------------	--------



Client:
Mulberry Waste Limited

Project:
New Buildings at Stockpit Road, L33 7TQ

Drawing Title:
Proposed Site Plan with building details added

Drawn:	Checked:	Project Size:	Scale:	Date:
PL	PL	A3	1:250	SEPT 2024

Project No:	Drawing No:	Revision:
24 - 852	01-02	A

APPENDIX F

Borehole log



BOREHOLE CONSTRUCTION	SAMPLE		SOIL VAPOUR (ppm)	GROUNDWATER	DEPTH (m)	GEOLOGY	BOREHOLE NUMBER: WS206		PAGE 1 of 1	
	NUMBER	TYPE					DRILLING DATES: 6 October 05		DRILLING METHODS: Cased Auger	
							DRILLER: Geotron UK Ltd		BOREHOLE DIAMETER: 178mm	
				LOGGED BY: K Webster		SCREEN TYPE & DIAM: HDPE 50mm				
				CHECKED BY: K Webster		SCREEN SLOT SIZE: 1mm				
						DESCRIPTION	COMMENTS			
	WS206	0.2-0.6m 0.1ppm	0.2-0.6m 0.1ppm	1.4m 2.1ppm	2.2m <0.1ppm 2.5m <0.1ppm 3.4m <0.1ppm	MADE GROUND: Dark brown / black silty sand with much fine to coarse angular gravel of red brick and some concrete rubble.	Moist, NVO			
						Brown fine to medium silty SAND.	Wet, NVO			
						Brown PEAT.	Moist, NVO			
						Soft grey slightly sandy silty CLAY.	Wet, NVO			
						Brown clayey fine to medium SAND.	Wet, NVO			
						Firm brown slightly sandy CLAY with occasional fine subrounded gravel.	Dry, NVO			
Borehole completed at 4.3m										

LOCATION / NOTES:
NVO = No visual or olfactory evidence of contamination

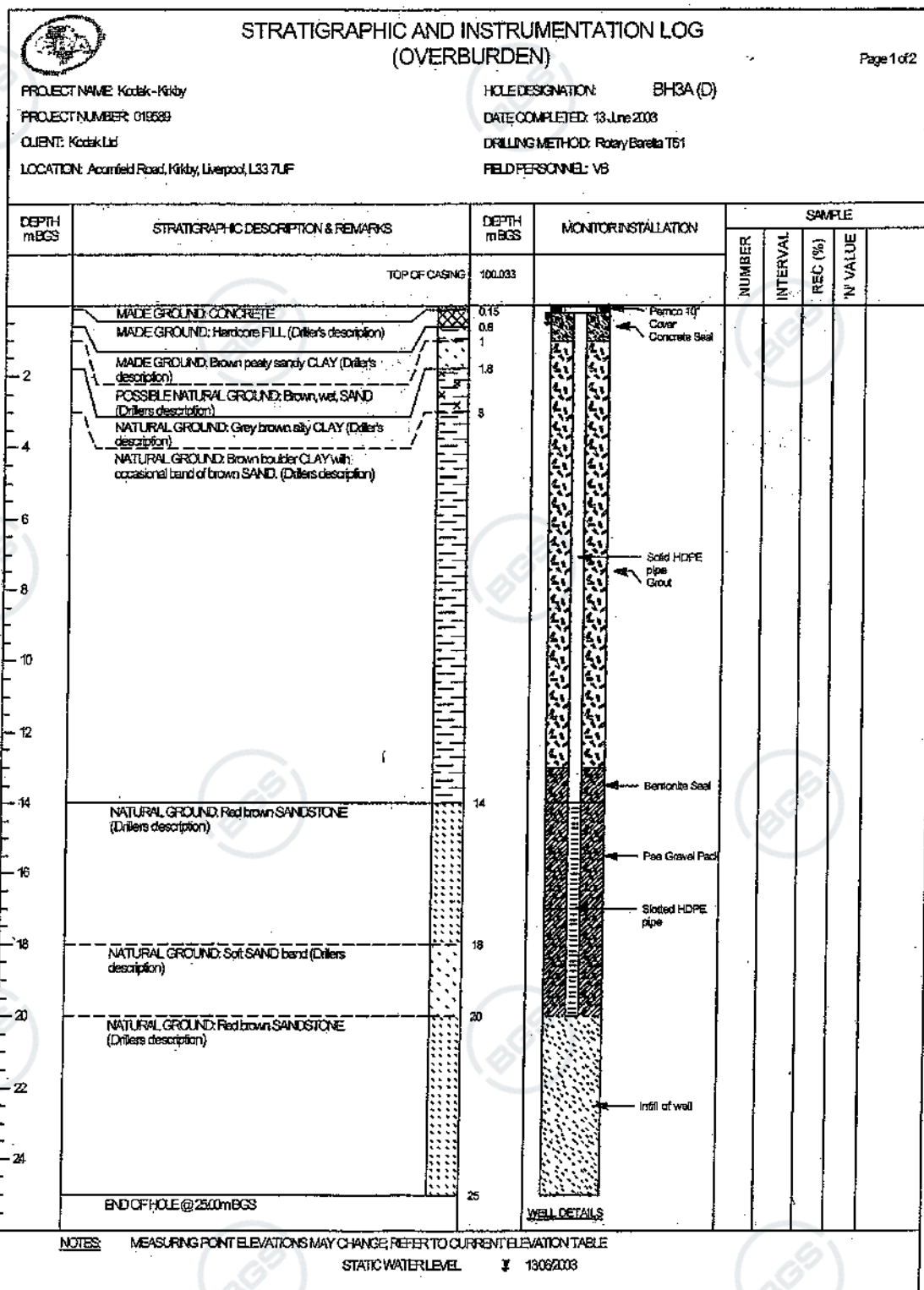
LEGEND

- Disturbed Sample
- Undisturbed Sample
- Headspace Analysis
- Down Borehole Analysis
- Groundwater Table
- Perched Water Table

BOREHOLE LOG

Job Title: Phase II Investigation
Location: Kirkby, Liverpool
Client: Baker Petrolite

	App'd	Date: October 2005
	Drawn: KW	Ref: KW/MCH
	Scale: As Shown	Job No: 44319748
	Drig. Size: A4	BOREHOLE LOG



Page 2 of 2

PROJECT NAME: Kodak-Kibby

PROJECT NUMBER: 018689

CLIENT: Kodak Ltd

LOCATION: Aconfield Road, Kibby, Liverpool, L33 7UF

HOLE DESIGNATION: BH3A(D)

DATE COMPLETED: 13 June 2003

DRILLING METHOD: Rotary Borehole T51

FIELD PERSONNEL: VB

DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH m BGS	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	'N' VALUE
	Borehole terminated at 25.0m in natural ground		Screened interval: 14 to 20m BGS Length: 6m Diameter: 50mm Slot Size: 10 Material: HDPE PIPE Seal: 13 to 14m BGS Material: BENTONITE Sand Pack: 14 to 20m BGS Material: PEA GRAVEL Screened interval: m BGS Seal: m BGS Sand Pack: m BGS Screened interval: m BGS Seal: m BGS Sand Pack: m BGS Screened interval: m BGS Seal: m BGS Sand Pack: m BGS				

OVERBURDEN LOG UK ROTARY AND WS LOGS.GPJ, CRA, UK, B01 2907/03

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE, REFER TO CURRENT ELEVATION TABLE

STATIC WATER LEVEL: 13082003