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SURFACE TRANSFORMS PLC

NEW FURNACE BUILDING, SURFACE TRANSFORMS, IMAGE BUSINESS PARK, KNOWSLEY INDUSTRIAL PARK, L33 7UF
PHASE 1 – DESK STUDY AND PRELIMINARY GROUND GAS CONTAMINATION RISK ASSESSMENT

REPORT No. E1891.P1.R1
MARCH 2025



Client : SURFACE TRANSFORMS PLC

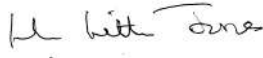
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KNOWSLEY INDUSTRIAL PARK, L33 7UF

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ASSESSMENT

Project No. E1891
Report No. E1891.P1.R1
Date. MARCH 2025

e-geo Solutions Ltd
Glasgow House
High Street
St.Asaph
LL17 0RD
01745 828494

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Date:	24/03/25		
Prepared by:	Huw Littler-Jones B.Sc.(Eng), M.Sc. FGS		
Checked by:	Huw Littler-Jones B.Sc.(Eng), M.Sc. FGS		
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Signed:			

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1. INTRODUCTION

1.1 Terms of Reference

- 1.1.1 In March 2025 e-geo Solutions Ltd were commissioned by Surface Transforms plc to undertake a desk-based ground gas contamination study and risk assessment at the location of a proposed new Furnace Building at Surface Transforms, Image Business Park, Knowsley Industrial Park, Knowsley.
- 1.1.2 The objective of the study was to collate and assess information on the site area, its development history, the environmental (contamination) setting of the site and surrounding land, the geological and hydro-geological characteristics of the area, and to undertake a preliminary hazard assessment in terms of potential contamination and develop a Preliminary Conceptual Model to indicate potential contamination risks associated with the site and its development.
- 1.1.3 Specifically the study was required to establish if there are any concerns or risks associated with ground gas contamination at the site or from adjacent land.
- 1.1.4 The study has been undertaken with reference to guidance in the 'Model Procedures for the Management of Land Contamination' (CLR11) and the BSI Publication 'Investigation of Potentially Contaminated Sites' – Code of Practice (BS10175). This report presents the findings of the preliminary site assessment, detailing the particular site characteristics and identifying potential contamination, environmental, mining and geo-environmental factors which could impact upon the redevelopment proposals.
- 1.1.5 This report has been prepared for the sole use of the Client, for the purposes described and no extended duty of care applies to other parties. Any other party using this report for any purpose whatsoever do so at their own risk and any duty of care to that party is specifically excluded.
- 1.1.6 The comments given, and opinions expressed, in this report are based on the information available at the time the report was compiled, however there may be additional information and data which becomes available at a later date which has an impact on the report content. Where data supplied by others has been used it has been assumed that the information is correct. No responsibility can be accepted by e-geo Solutions Ltd for inaccuracies within the data supplied by others.
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1.2 Report Contents

- 1.2.1 The report includes sections on:-

- Sources of Information
- Current and historical land use, including site inspection observations.
- The sites geological, hydro-geological, hydrological and environmental setting
- Potential contaminants, receptors and pathways and the significance of pollutant linkages
- Risk assessment and recommendations for further quantification of risk and collection of additional data

1.3 Information Sources

- 1.3.1 Information on the site and its immediate surroundings has been collected from a range of sources including:-
- British Geological Survey 1:50,000 Solid and Drift Edition
 - Historical Ordnance Survey Maps
 - Aerial photographs and Google Earth
 - Information held by the Environment Agency on landfill sites, regulated industries, water abstractions and discharges, water quality, source protection zones, flood risk and incidents.
 - GroundSure EnviroInsight and GeoInsight Report, Reference GS-MEM-W6P-ECY-GND
 - A site inspection and walkover survey

2. SITE CHARACTERISTICS AND HISTORY

2.1 Site Location

- 2.1.1 The proposed new Furnace Building area (the site) is located within the Surface Transforms Manufacturing Facility on the Image Business Park, Knowsley Industrial Estate. The location of the proposed new building is shown on Figure 1 and site boundaries on Figure 2. The site is surrounded on all sides by other buildings and infrastructure associated with the Surface Transforms industrial facility, and other industrial units. The overall site is centred at Grid Reference 343860, 398748.

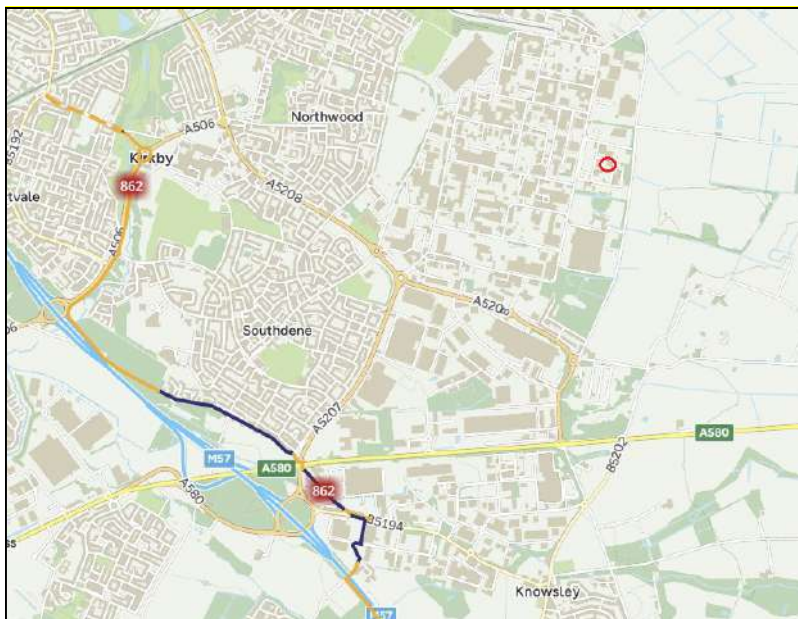


Figure 1 – Site Location

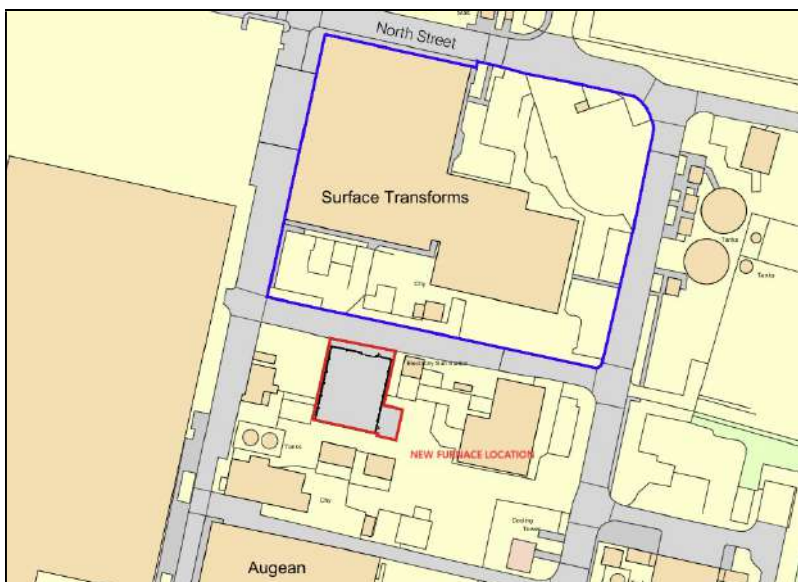


Figure 2 – New Furnace Extent (red)

2.2 General Site Description, Use and Topography

- 2.2.1 The site area comprises a rectangular area of ground comprising a solid concrete slab situated within the Surface Transforms manufacturing industrial unit. Presently the area is used for container storage. The southern portion of the site area is unused with a gravel hardcore surface. To the north is an access road

and concrete covered areas. To the south, east and west are buildings surrounded by sealed surfaces. The overall area is flat and level and at a similar elevation to the surrounding ground which comprises concrete and tarmac surfaced areas outside existing buildings and small areas of gravel hardcore. Photographs of the new furnace building development area are presented in Appendix 1 and a recent aerial photograph as Figure 3.



Figure 3 – Aerial Photograph and Site Context

2.3 Site Walkover, Inspection and Trial Pit Investigation

2.3.1 An inspection of the site area was undertaken in March 2025. Site photographs are presented in Appendix 1. The following features and aspects were noted:

New Furnace Building Site Area

- The site area comprises a rectangular area of solid concrete slab presently used for container storage.
- The slab is of good quality concrete with some slight upstands but has no perforations or service entries.
- There are no drains below or within the slab.
- Immediately to the south of the slab is an area with a gravel hardcore surface. There is a drain with slightly raised manholes that crosses this area from east to west. Figure 4 below. This drain will be capped prior to site development.

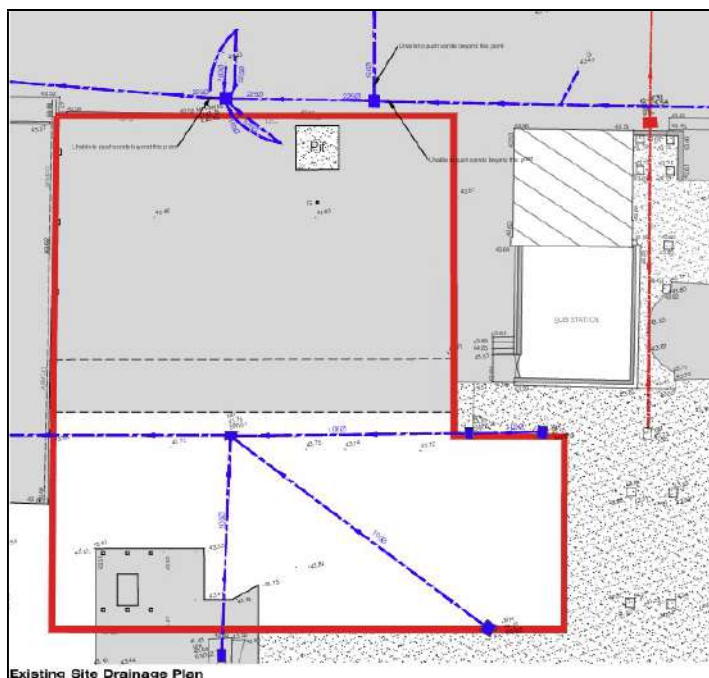


Figure 4 – Existing Drainage in New Furnace Building Area

Adjacent Land

- To the north is a tarmac access road and then buildings and sealed surface areas of the Surface Transforms facility.
- To the south, east and west are buildings and sealed surface areas of the Surface Transforms facility which extend for 100m from the new furnace building location.

2.4 Site Development History

2.4.1 An examination of old Ordnance Survey maps dating from 1867 has been undertaken. Selected map extracts are presented in Appendix 2.

2.4.2 The following site development history has been compiled from the old Ordnance Survey maps:

1867 - Grid Ref: 343860, 398748 County Series 1:2,500

On-Site

The site is undeveloped hummocky agricultural land.

Surrounding Land within 100m

The surrounding land is hummocky agricultural land.

1893 - Grid Ref: 343860, 398748 County Series 1:2,500

On-Site

The site is as in 1867.

Surrounding Land

The surrounding land is as in 1867. There is a Marl Pit 130m north

1927 - Grid Ref: 343860, 398748 National Grid 1: 2,500

On-Site

The site is as in 1893.

Surrounding Land

The surrounding land is as in 1893.

1959 - Grid Ref: 343860, 398748 National Series 1:2,500

On-Site

The site is undeveloped as in 1927.

Surrounding Land

The surrounding land is as in 1927. There is a 'works' 100m southwest and bunkers associated with the Royal Ordnance Depot 150m west.

1972 - Grid Ref: 343860, 398748 National Series 1:2,500

On-Site

The site is occupied by a building with tanks to the east and is within an area termed 'Photographic Material Factory'.

Surrounding Land

The surrounding land is undeveloped to the south and east but with industrial units (large buildings) to the north and west, 'Photographic Material Factory'. The Royal Ordnance Depot is 150m west.

1993 - Grid Ref: 343860, 398748 National Series 1:2,500

On-Site

The site appears to be unused, with the previous building removed, and similar to the present day

Surrounding Land

The surrounding land on all sides has been developed with the Knowsley Industrial Park, with a layout of buildings as the present day.

- 2.4.3 Archive information indicates that prior to the site and surrounding land being occupied by Surface Transforms plc the whole industrial site area including the site area was occupied by Kodak, which included the period when a Photographic Material Factory. To facilitate the development of the area for industrial use it is understood that Kodak undertook remediation and reclamation works. No information is available on the works undertaken.
- 2.4.4 It is understood that the Kodak Plant was opened in 1949. As well as producing chemicals for film and photographic paper, was also involved in the recovery of silver from used photo chemicals for use at Kodak's plant in Harrow.
- 2.4.5 Archive information at Surface Transforms plc indicates that the site for the new furnace building was previously used for pallet storage for a long period of time, with areas immediately adjacent used for a compressor house and humidifier house building.

3.4.2 The bedrock below the site is classed as a 'Principal' aquifer. This is assigned to 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.

3.4.3 Information in borehole records for the area surrounding the site suggest that there could be a relatively high perched water table with wet ground and seepages noted in the borehole records.

3.5 Hydrology

3.5.1 The nearest watercourse is 164m SE but has no connection to the development site area.

3.6 Sensitive Land Uses

3.6.1 There are no Sites of Special Scientific Interest within 1000m.

3.7 Landfill and Landfill Gas

3.7.1 There are no active or recent landfills within 500m.

3.7.2 There is a historical Local Authority/NRW landfills 157m SE at Kirkby Moss, Perimeter Road, Kirkby Moss, Kirkby, Knowsley. The landfill accepted inert, industrial, commercial, household and liquid sludge. The operator was Merseyside County Council who operated the site between 1965 and 1975.

3.7.3 Enquiries have been made with Knowsley Council regarding the landfill. The Council have confirmed they do not hold any information on ground gas monitoring at the landfill. The site was a pre COPA site, used for land raising improvements.

3.8 Flood Risk

3.8.1 The site is not in a flood risk area.

3.8.2 There is a negligible risk of groundwater flooding.

3.9 Radon

3.9.1 The site is not within a radon affected areas with less than 1% of properties above the Action Level as defined by the Health Protection Agency. No radon protection measures will be necessary.

3.10 Contaminative Uses

3.10.1 The area for the new furnace building has no significant historical potentially contaminative land uses at the site area itself.

4. CONCEPTUAL SITE MODEL AND PRELIMINARY GROUND GAS RISK ASSESSMENT

4.1 Introduction

4.1.1 In accordance with current guidance the information collated during the preliminary site assessment has been reviewed to establish the conceptual model for the site and area of development. The conceptual model is based upon the identification and assessment of potential 'hazards', identified or suspected from the results of the preliminary assessment; the potential 'receptors' that may be affected; and the anticipated 'pathways' to those receptors.

4.1.2 The 'Conceptual Model' takes into consideration the proposed development use of the site area with a new furnace building for the manufacturing activities at the site, and the evidence of potential for ground gasses.

4.2 On-Site Ground Gas Contamination Sources

4.2.1 The main data source for the hazard identification is information on the sites and surrounding lands previous and present use, and information on the ground conditions. From the assessment of this data the potential for a gas source to be present which presents a contamination hazard has been identified.

4.2.2 The gathered information indicates that the site itself has not had any previous uses that could cause gas contamination or generate ground gasses. It is presently a vacant slab used for container storage and previously was used for pallet storage.

4.2.3 The ground conditions immediately below the development area and surrounding land comprise granular made ground to a depth of 0.50m underlain by natural sandy clay, clay and boulder clay. This is strata which would not generate ground gasses.

4.2.4 There is archive information that indicates that the site and surrounding land has been subjected to 'remediation', however there is no information available to indicate what this involved, and from examination of borehole records over the area, there is no evidence of fills that could generate ground gasses.

4.2.5 Based on this assessment there is considered to be no potential on-site ground gas contamination sources.

On-site

- No potential ground gas contamination source at or below the site

4.3 Off-Site Ground Gas Contamination Sources

4.3.1 The collated information indicates that there is a historical landfill 157m southeast which accepted inert, industrial, commercial, household and liquid sludge. Although there is no information available on the landfill construction or ground gas regime at the landfill, the wastes it received could generate landfill gas.

Off-site

- Potential landfill gas source in landfill wastes 157m southeast of site area

4.4 Receptors and Targets

4.4.1 The proposal are for the site to be developed with a new furnace building which is to be constructed on the existing concrete slab and the principal receptors to any gas contamination hazard will be:

Receptor Type	Target	Presence	Comment
Humans on site	Future site users	Y	Workers in the new furnace building
Humans on site	Site construction workers	Y	Groundworks required during construction phase
Buildings	New furnace building	Y	Furnace building to be built

4.5 Potential Exposure Pathways

4.5.1 The following potential exposure pathways, if contamination is present, during and following site redevelopment have been identified and assessed:

Human Exposure Pathways

Exposure Pathway	Existence/Likelihood	Comment
Humans future site users – Inhalation of gasses outside	On-site gas source - None	No gas source within granular made ground and clay ground strata below site.
	Off-site gas source - None	Landfill with gas source 157m SE but landfill is land raise and low permeability clay strata between landfill and site will prevent migration. Drains on site will be capped preventing migration
Humans future site users – Inhalation of gasses inside	On-site gas source - None	No gas source within granular made ground and clay ground strata below site.
	Off-site gas source - None	Landfill with gas source 157m SE but landfill is land raise and low permeability clay strata between landfill and site will prevent migration. Drains on site will be capped preventing migration. Solid concrete slab with no perforations will prevent ingress
Humans construction workers – Inhalation of gasses outside	On-site gas source - None	No gas source within granular made ground and clay ground strata below site.
	Off-site gas source - None	Landfill with gas source 157m SE but landfill is land raise and low permeability clay strata between landfill and site will prevent migration. Drains on site will be capped preventing migration

Environmental Exposure Pathways

Receptor	Pathway	Existence/Likelihood	Comment
New furnace building	Ingress and build-up of gasses	On-site gas source - None	No gas source within granular made ground and clay ground strata below site.
		Off-site gas source - None	Landfill with gas source 157m SE but landfill is land raise and low permeability clay strata between landfill and site will prevent migration. Drains on site will be capped preventing migration. Solid concrete slab with no perforations will prevent ingress

4.6 Preliminary Risk Assessment

4.6.1 The Conceptual Model involves the identification of risks associated with the site. In order for there to be any risk to exist, a "Source - Pathway - Receptor" linkage must be established. This linkage requires:

- A source of gas contamination in, or under the ground, or which can migrate, which has the potential to cause harm.
- A pathway or route by which a receptor is being exposed to or affected by a gas contaminant or, could be so exposed or affected by a gas contaminant
- A receptor that could be a living organism, a group of living organisms, or property

4.6.2 The identification of each of these three elements is linked to the identification of the others. A pathway can only be identified if it is capable of exposing an identified receptor to an identified contaminant or hazard. That particular contaminant or hazard should likewise be capable of harming that particular receptor.

4.6.3 If a pollutant source, pathway and receptor are found to be present then there is a risk to the identified receptor. If there is an absence of any part of the source, pathway or receptor process, there is no risk.

4.6.4 At the proposed new furnace development site, no significant gas contamination hazard has been identified on site. A potential landfill gas source in landfill wastes 157m southeast of site area has been identified.

4.6.5 An assessment of the 'Source – Pathway – Receptor' linkages is presented in the table below.

Receptor	Pathway	Linkage Probability	Consequence	RISK
Humans future site users	Inhalation of gasses outside	None	Minor	None
Humans future site users	Inhalation of gasses inside	None	Moderate	None
Humans construction	Inhalation of gasses	None	Moderate	None
New furnace building	Buildup of gasses	None	Major	None

Descriptor	Description
Almost certain	Likely to occur on many occasions
Likely	Will probably recur but not persistent
Possible	May recur occasionally
Unlikely	Not expected to happen but is possible
None	Will not happen

Descriptor	Description
Catastrophic	Death
Major	Permanent harm
Moderate	Semi-permanent injury/damage
Minor	Short term harm/damage
None	No injury or adverse outcome

5. CONCLUSIONS

5.1 Conclusions

- 5.1.1 The information collected has allowed an assessment of the geological, hydrogeological, hydrological and environmental conditions and setting, for the site of the proposed new furnace building to be made, and the potential for ground gas contamination to be present.
- 5.1.2 The assessment of information has indicated that the ground conditions below the development area and in surrounding land comprise granular made ground over natural sandy clay and boulder clay and will not generate ground gasses.
- 5.1.3 A potential gas source exists at a landfill 157m southeast of the development site. There is no information available on the gas regime at the landfill, however the landfill is a land raise and the surrounding ground is clay and of low permeability. There is no risk of gas migration from the landfill to the development site.
- 5.1.4 The development will involve the construction of a solid concrete slab on an existing concrete slab which has no perforations. Adjacent drainage runs will be capped and if any gas was present there is no potential for migration and ingress to the building.
- 5.1.5 From consideration of the findings there is considered no risk from ground gasses to the proposed new development or its occupiers.

Appendix 1 - Site Photographs



Plate 1 - Overall view of the site area with containers on it



Plate 2 - West side of site area



Plate 3 - Southern side of site area with gravel hardcore surface



Plate 4 - East side of site area occupied by containers

Appendix 2 - Historical Ordnance Survey Maps GS-SI8-S8Q-MBZ-3IR_largeScale

Site Details:

SURFACE TRANSFORMS,
IMAGE BUSINESS PARK,
ACORNFIELD ROAD 11M F,
ACORNFIELD ROAD,
KNOWSLEY INDUSTRIAL PARK,
KIRKBY, KNOWSLEY, L33 7UF

Client Ref: E1891
Report Ref: GS-SI8-S8Q-MBZ-3IR
Grid Ref: 343860, 398748

Map Name: County Series

Map date: 1867

Scale: 1:2,500

Printed at: 1:2,500



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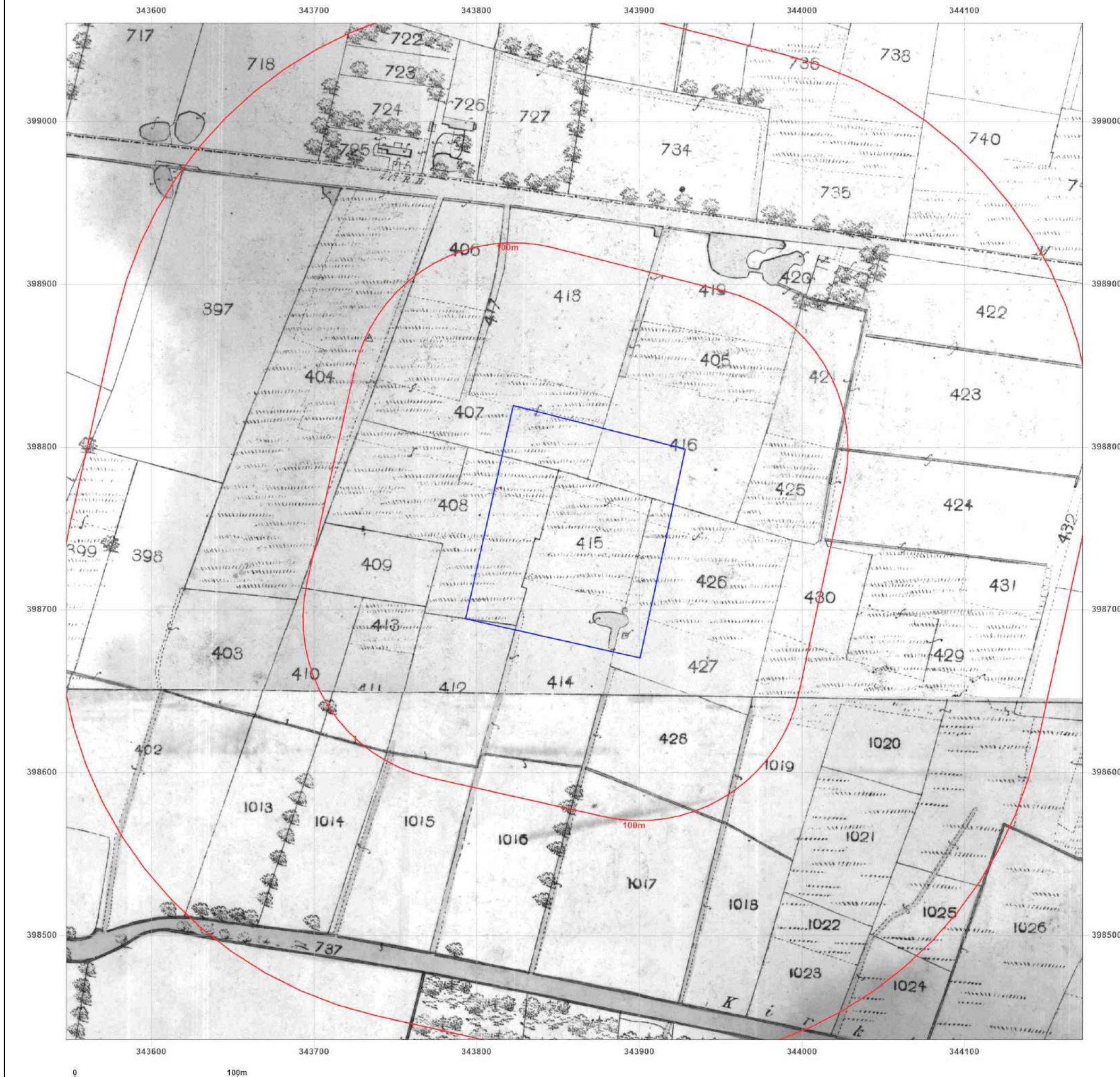


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Client Ref: E1891
Report Ref: GS-SI8-S8Q-MBZ-3IR
Grid Ref: 343860, 398748

Map Name: County Series

Map date: 1893

Scale: 1:2,500

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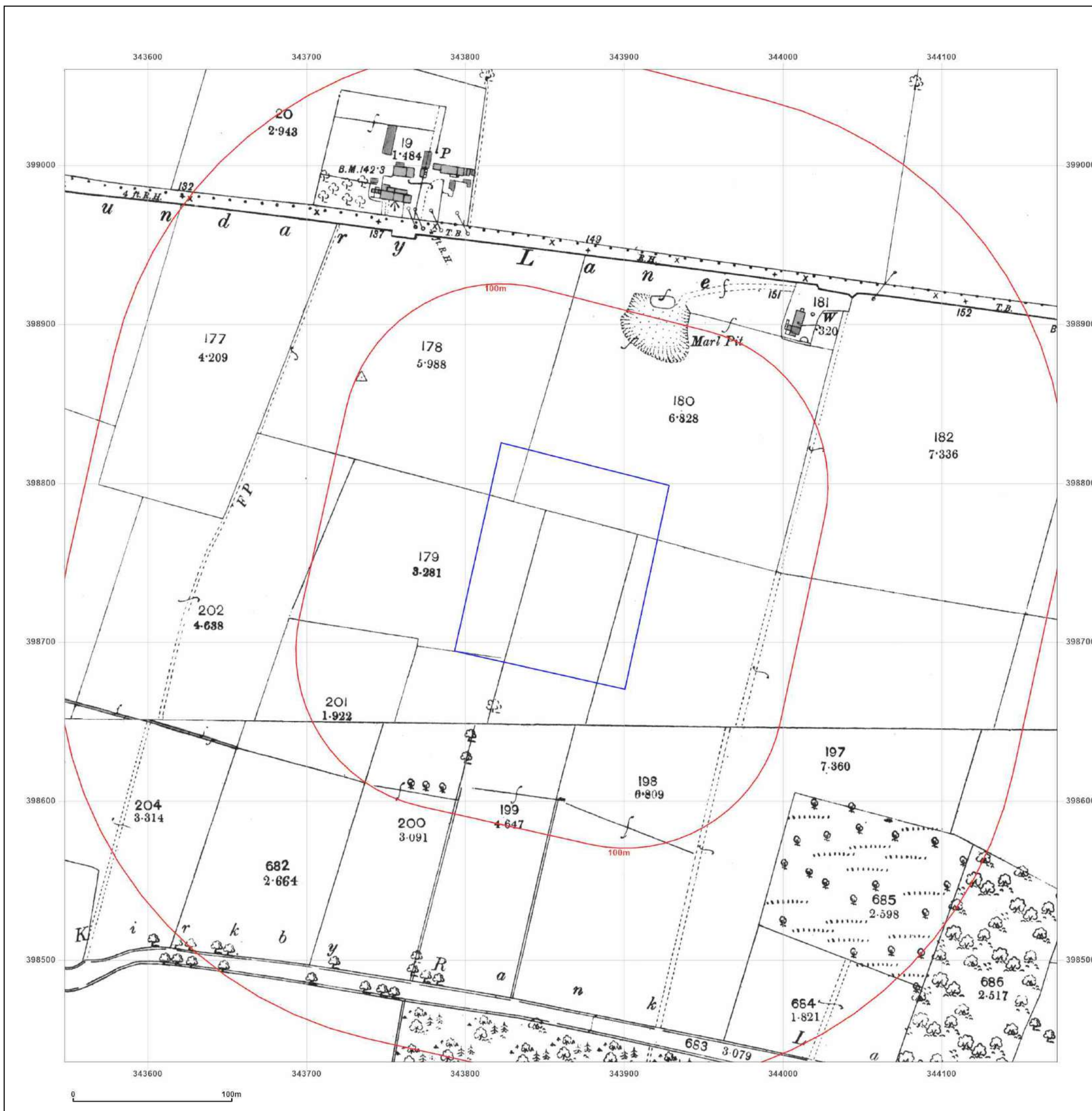


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Client Ref: E1891
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Grid Ref: 343860, 398748

Map Name: County Series

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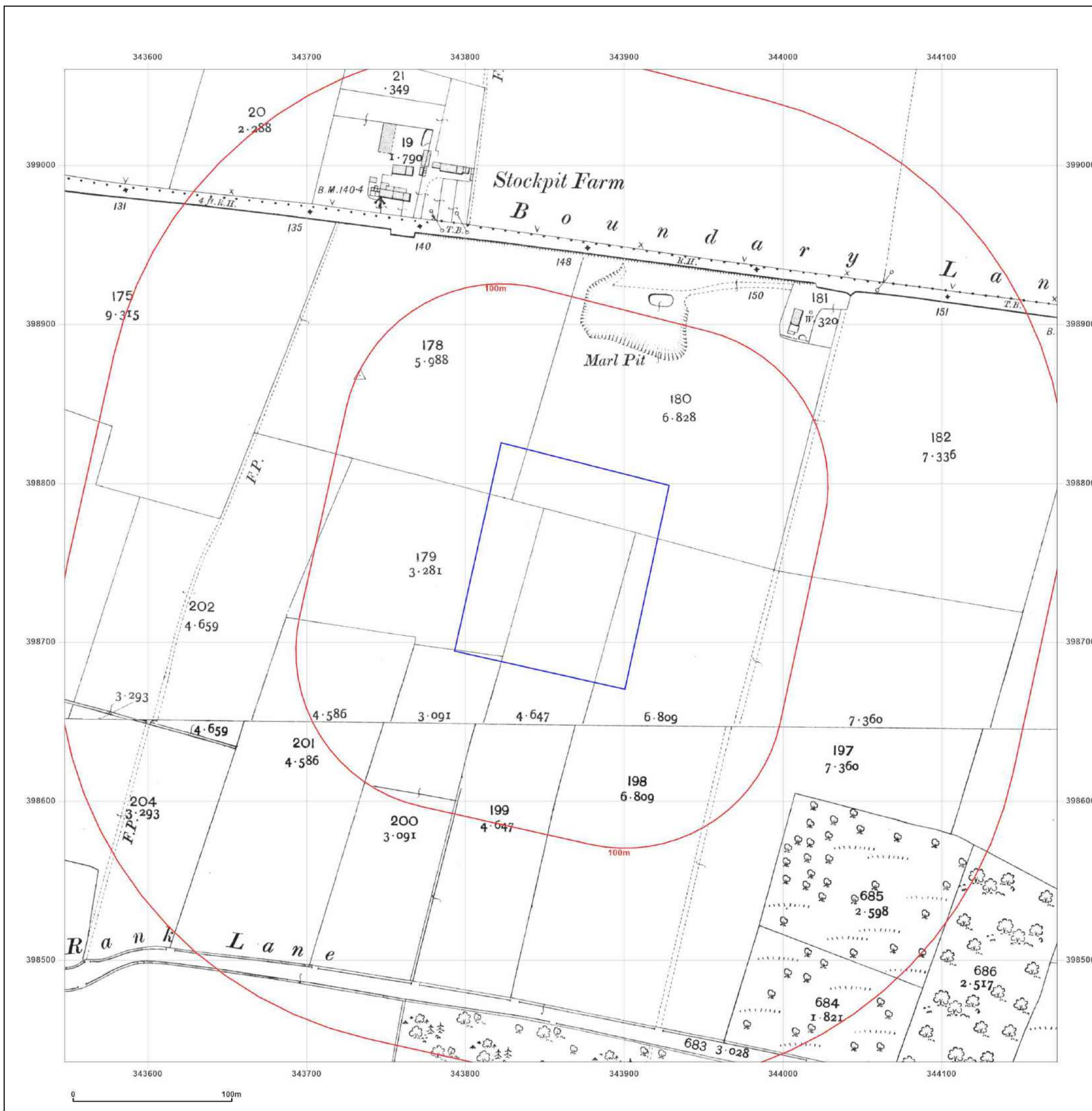


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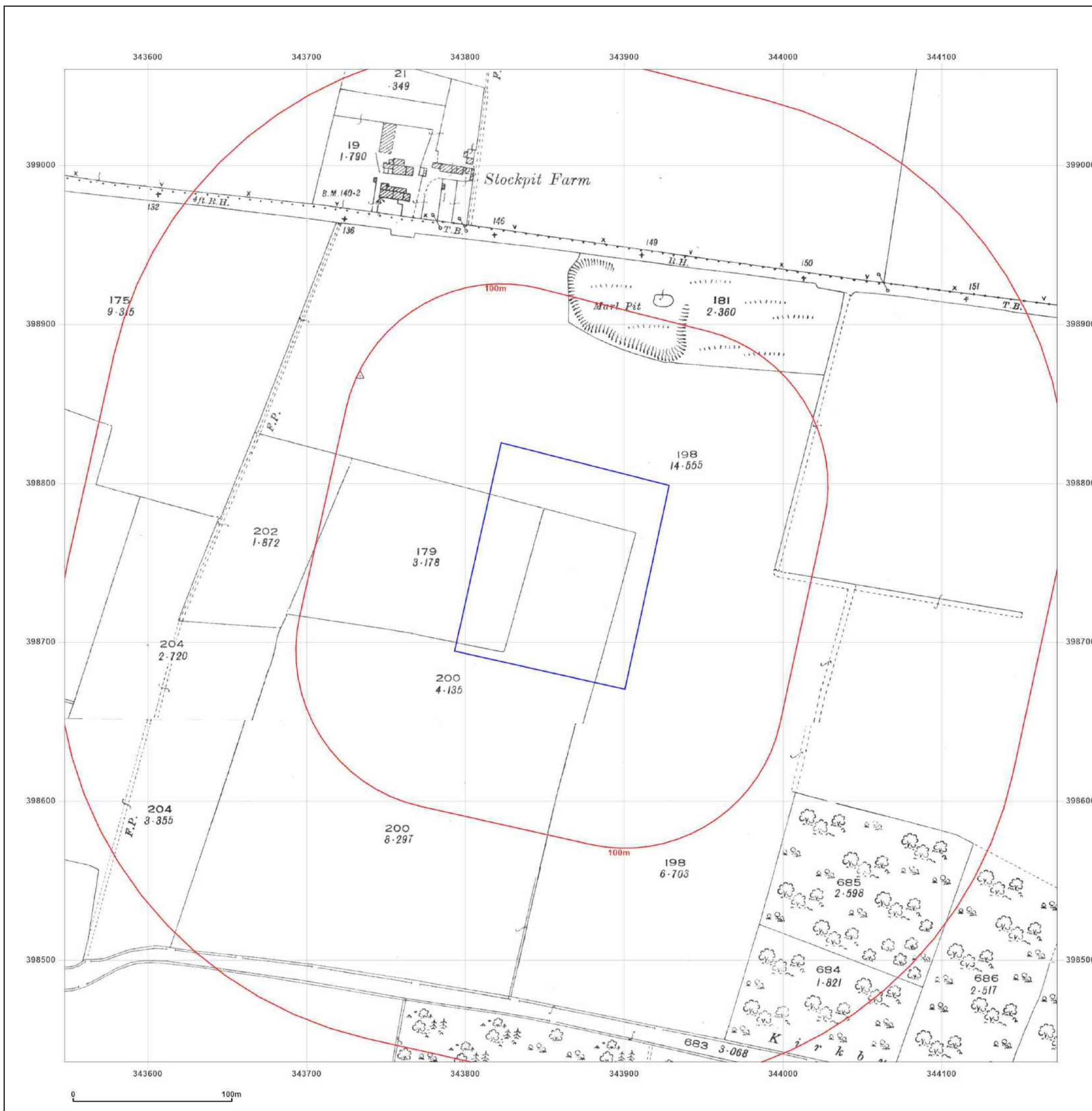


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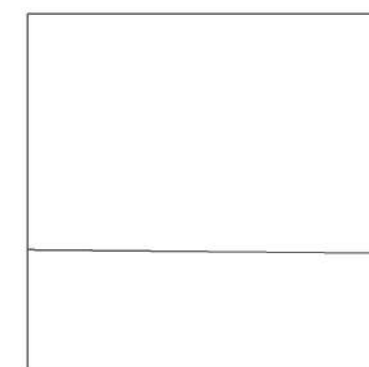
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Grid Ref: 343860, 398748

Map Name: County Series

Map date: 1939

Scale: 1:2,500

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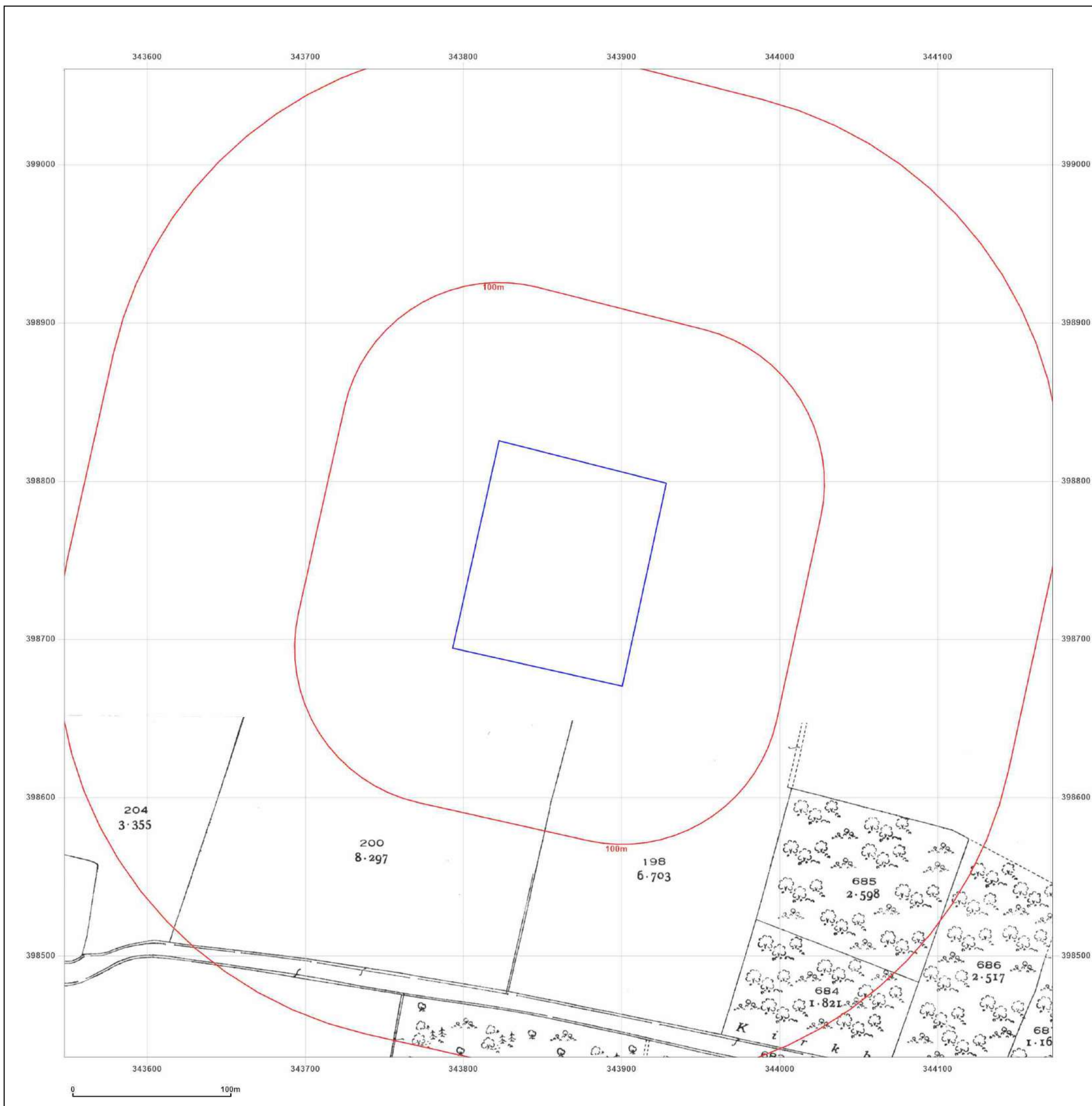


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Client Ref: E1891
Report Ref: GS-SI8-S8Q-MBZ-3IR
Grid Ref: 343860, 398748

Map Name: National Grid

Map date: 1959-1960

Scale: 1:1,250

Printed at: 1:2,000



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Grid Ref: 343860, 398748

Map Name: National Grid

Map date: 1960-1961

Scale: 1:2,500

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Levelled 1957

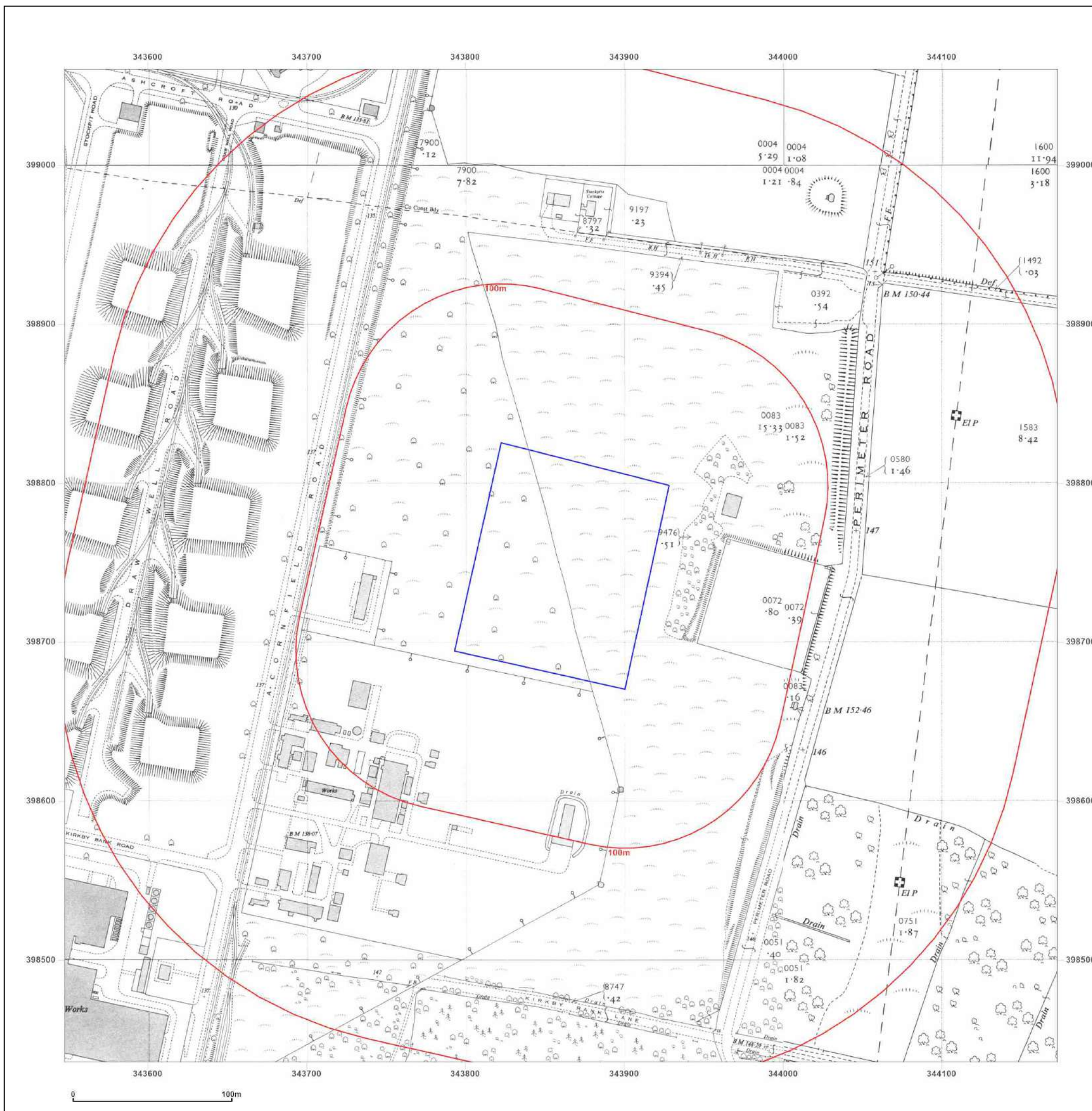


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Site Details:

SURFACE TRANSFORMS,
IMAGE BUSINESS PARK,
ACORNFIELD ROAD 11M F,
ACORNFIELD ROAD,
KNOWSLEY INDUSTRIAL PARK,
KIRKBY, KNOWSLEY, L33 7UF

Client Ref: E1891
Report Ref: GS-SI8-S8Q-MBZ-3IR
Grid Ref: 343860, 398748

Map Name: National Grid

Map date: 1968

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1968
Revised 1968
Edition N/A
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Levelled 1960

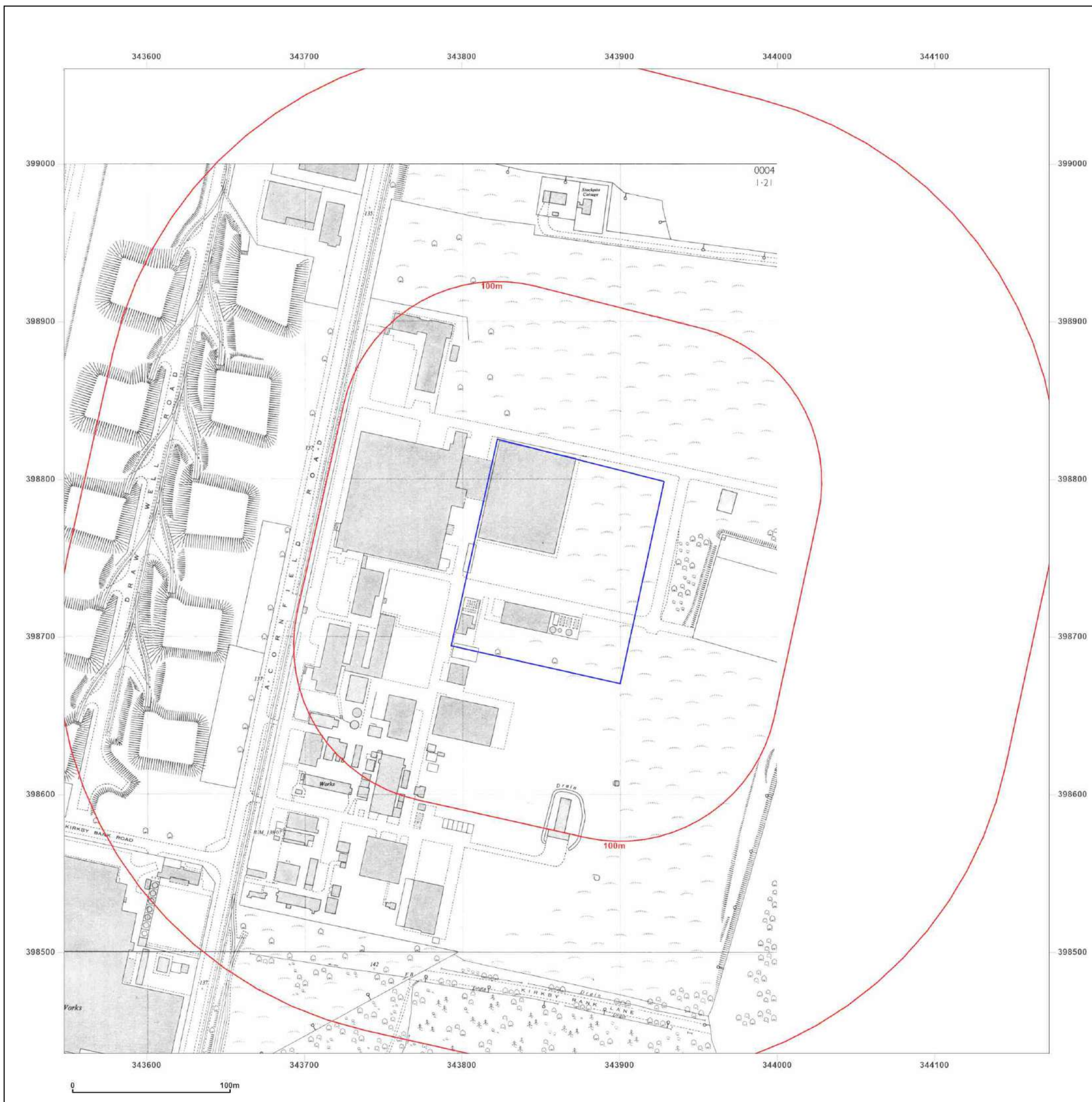


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Site Details:

SURFACE TRANSFORMS,
IMAGE BUSINESS PARK,
ACORNFIELD ROAD 11M F,
ACORNFIELD ROAD,
KNOWSLEY INDUSTRIAL PARK,
KIRKBY, KNOWSLEY, L33 7UF

Client Ref: E1891
Report Ref: GS-SI8-S8Q-MBZ-3IR
Grid Ref: 343860, 398748

Map Name: National Grid

Map date: 1972-1976

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1959
Revised 1971
Edition N/A
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Levelled 1957

Surveyed 1959
Revised 1975
Edition N/A
Copyright 1976
Levelled 1957

Surveyed 1959
Revised 1971
Edition N/A
Copyright 1972
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Site Details:

SURFACE TRANSFORMS,
IMAGE BUSINESS PARK,
ACORNFIELD ROAD 11M F,
ACORNFIELD ROAD,
KNOWSLEY INDUSTRIAL PARK,
KIRKBY, KNOWSLEY, L33 7UF

Client Ref: E1891
Report Ref: GS-SI8-S8Q-MBZ-3IR
Grid Ref: 343860, 398748

Map Name: National Grid

Map date: 1984-1985

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1984
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Surveyed 1957
Revised 1985
Edition N/A
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Site Details:

SURFACE TRANSFORMS,
IMAGE BUSINESS PARK,
ACORNFIELD ROAD 11M F,
ACORNFIELD ROAD,
KNOWSLEY INDUSTRIAL PARK,
KIRKBY, KNOWSLEY, L33 7UF

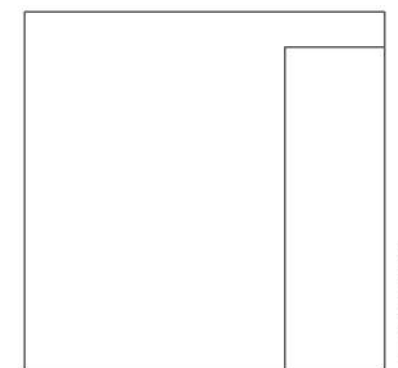
Client Ref: E1891
Report Ref: GS-SI8-S8Q-MBZ-3IR
Grid Ref: 343860, 398748

Map Name: National Grid

Map date: 1987

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1957
Revised 1987
Edition N/A
Copyright 1987
Levelled 1957

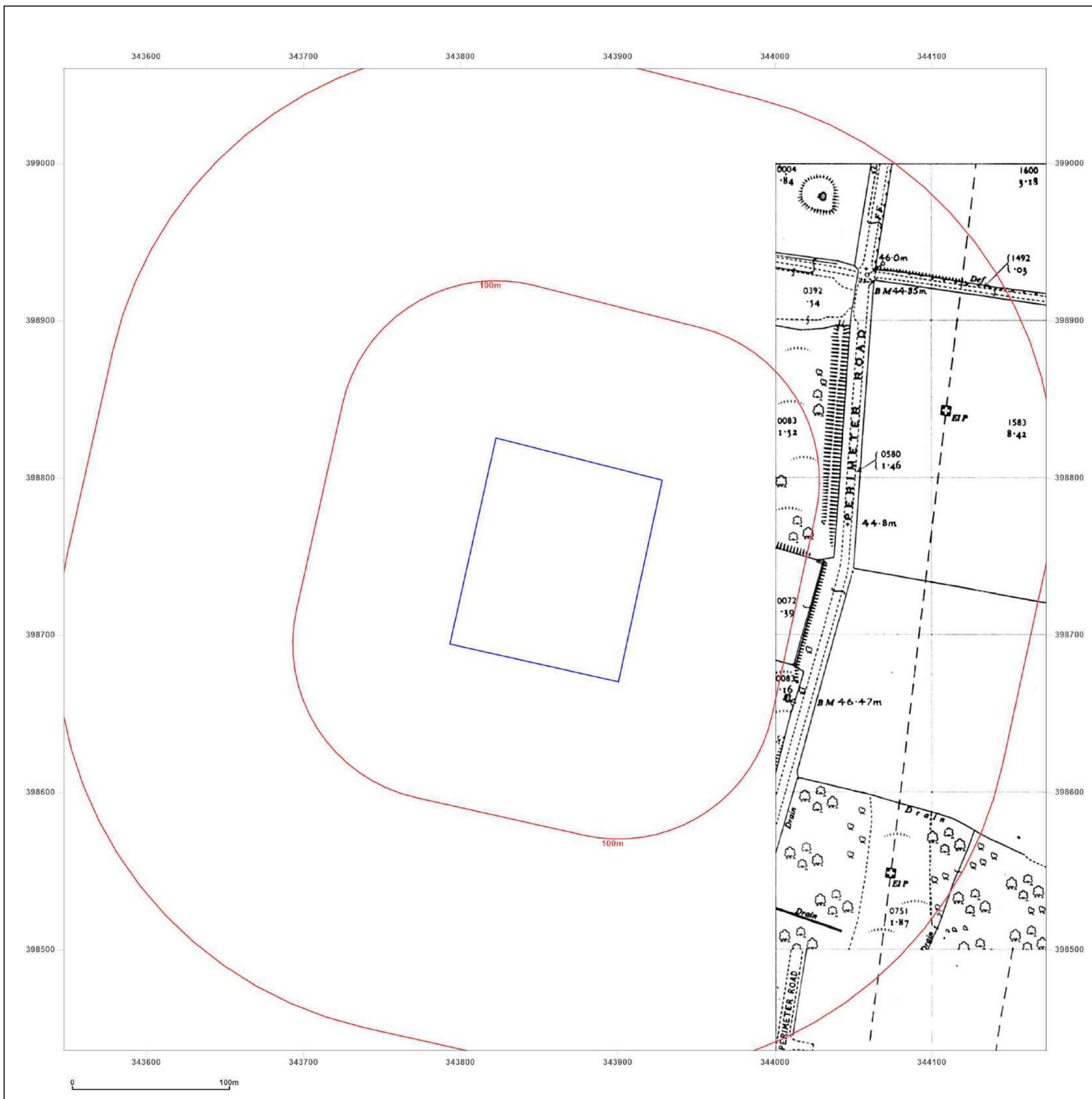


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Site Details:

SURFACE TRANSFORMS,
IMAGE BUSINESS PARK,
ACORNFIELD ROAD 11M F,
ACORNFIELD ROAD,
KNOWSLEY INDUSTRIAL PARK,
KIRKBY, KNOWSLEY, L33 7UF

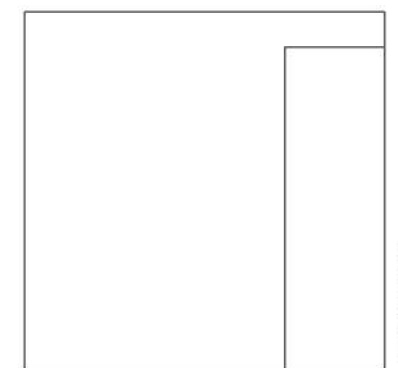
Client Ref: E1891
Report Ref: GS-SI8-S8Q-MBZ-3IR
Grid Ref: 343860, 398748

Map Name: National Grid

Map date: 1987

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1987
Levelled 1957

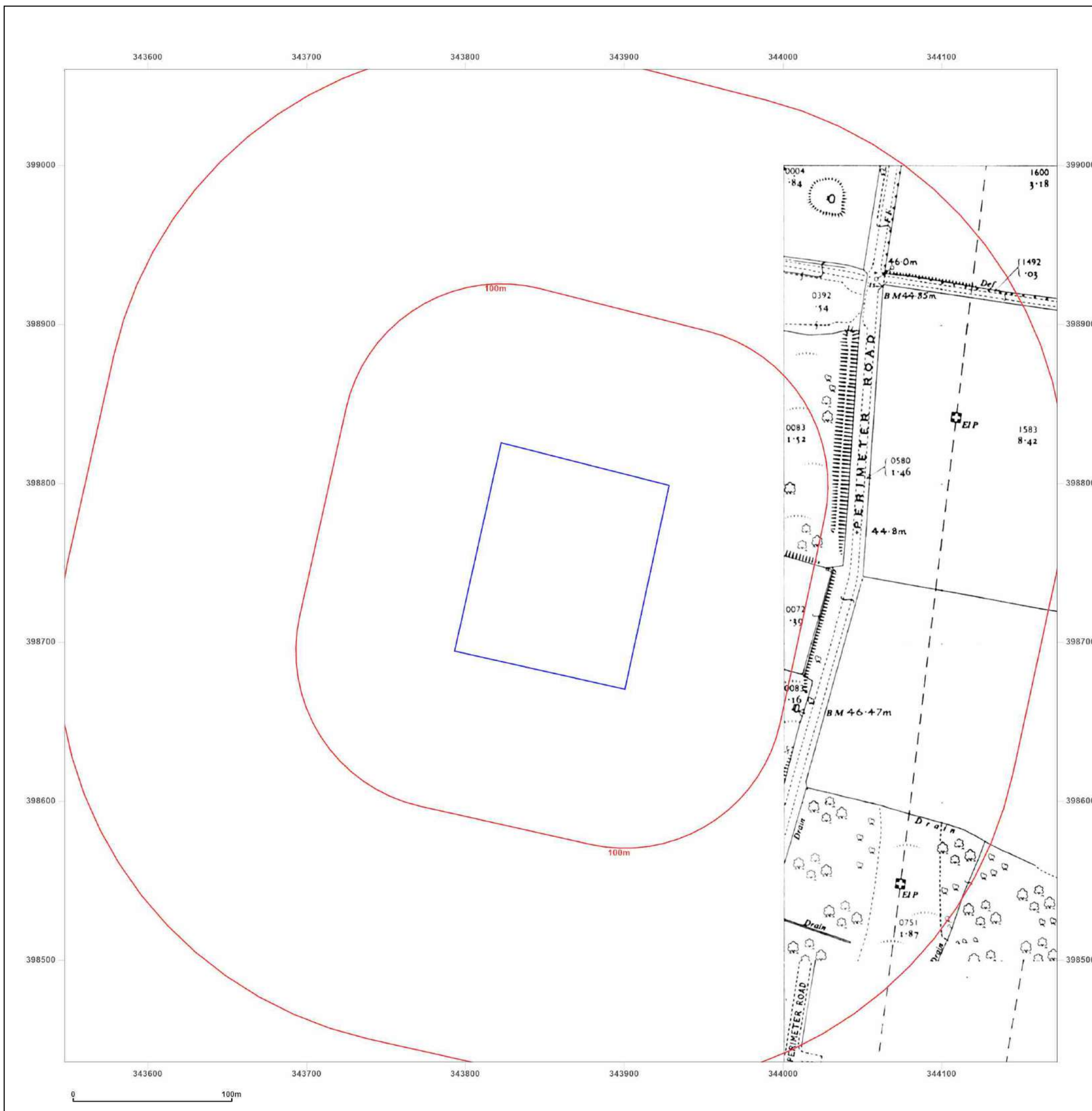


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Site Details:

SURFACE TRANSFORMS,
IMAGE BUSINESS PARK,
ACORNFIELD ROAD 11M F,
ACORNFIELD ROAD,
KNOWSLEY INDUSTRIAL PARK,
KIRKBY, KNOWSLEY, L33 7UF

Client Ref: E1891
Report Ref: GS-SI8-S8Q-MBZ-3IR
Grid Ref: 343860, 398748

Map Name: National Grid

Map date: 1993-1994

Scale: 1:1,250

Printed at: 1:2,000



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

Surveyed 1993
Revised 1993
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1993
Revised 1993
Edition N/A
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Levelled N/A



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Site Details:

SURFACE TRANSFORMS,
IMAGE BUSINESS PARK,
ACORNFIELD ROAD 11M F,
ACORNFIELD ROAD,
KNOWSLEY INDUSTRIAL PARK,
KIRKBY, KNOWSLEY, L33 7UF

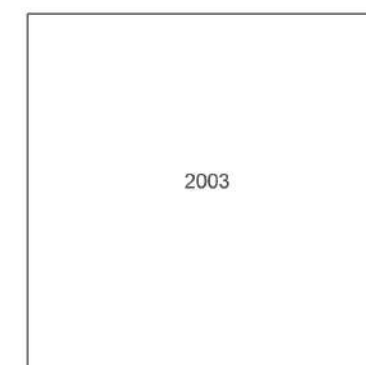
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Report Ref: GS-SI8-S8Q-MBZ-3IR
Grid Ref: 343860, 398748

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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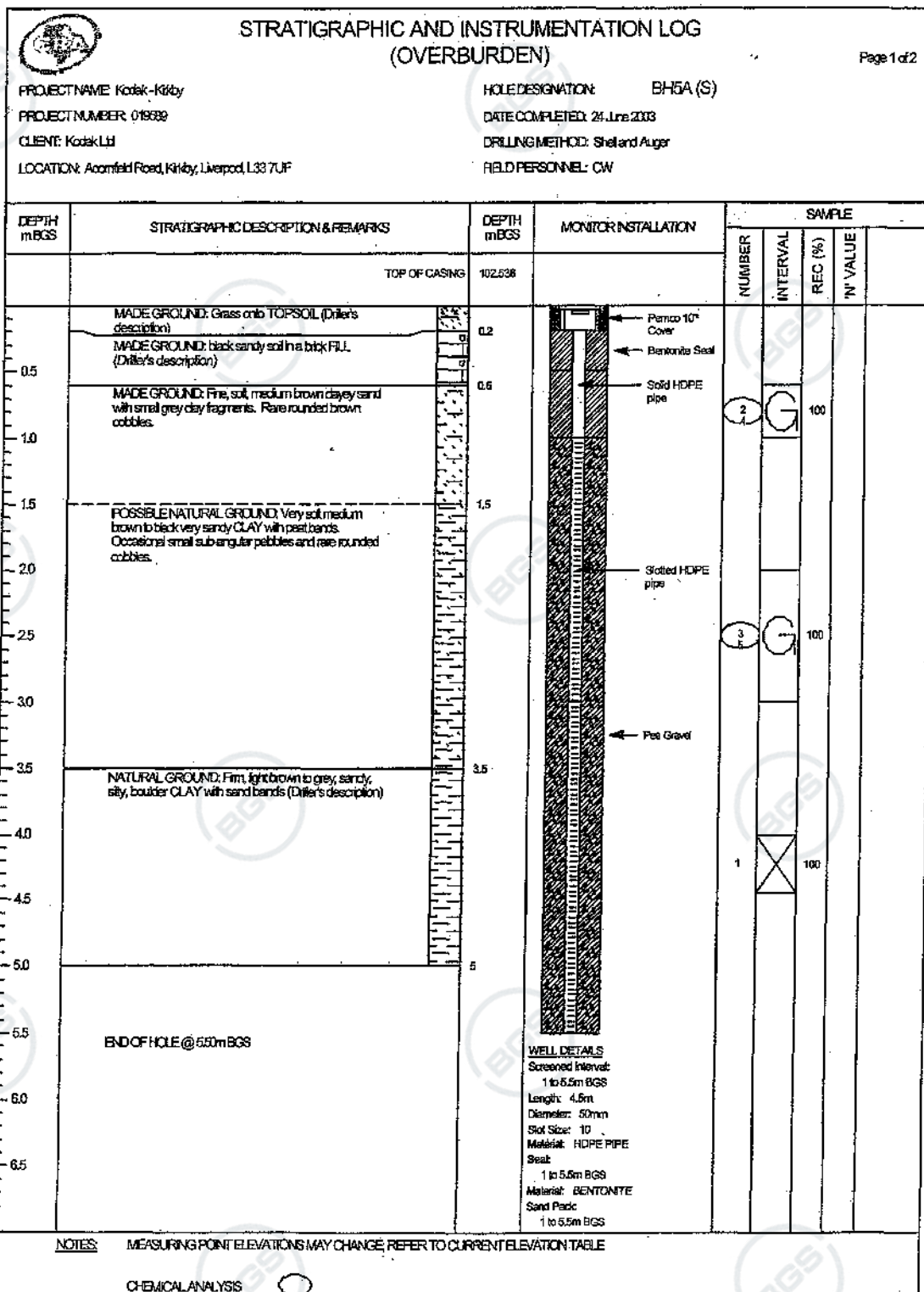
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Production date: 08 April 2024

Map legend available at:
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Appendix 3 - BGS Borehole Records



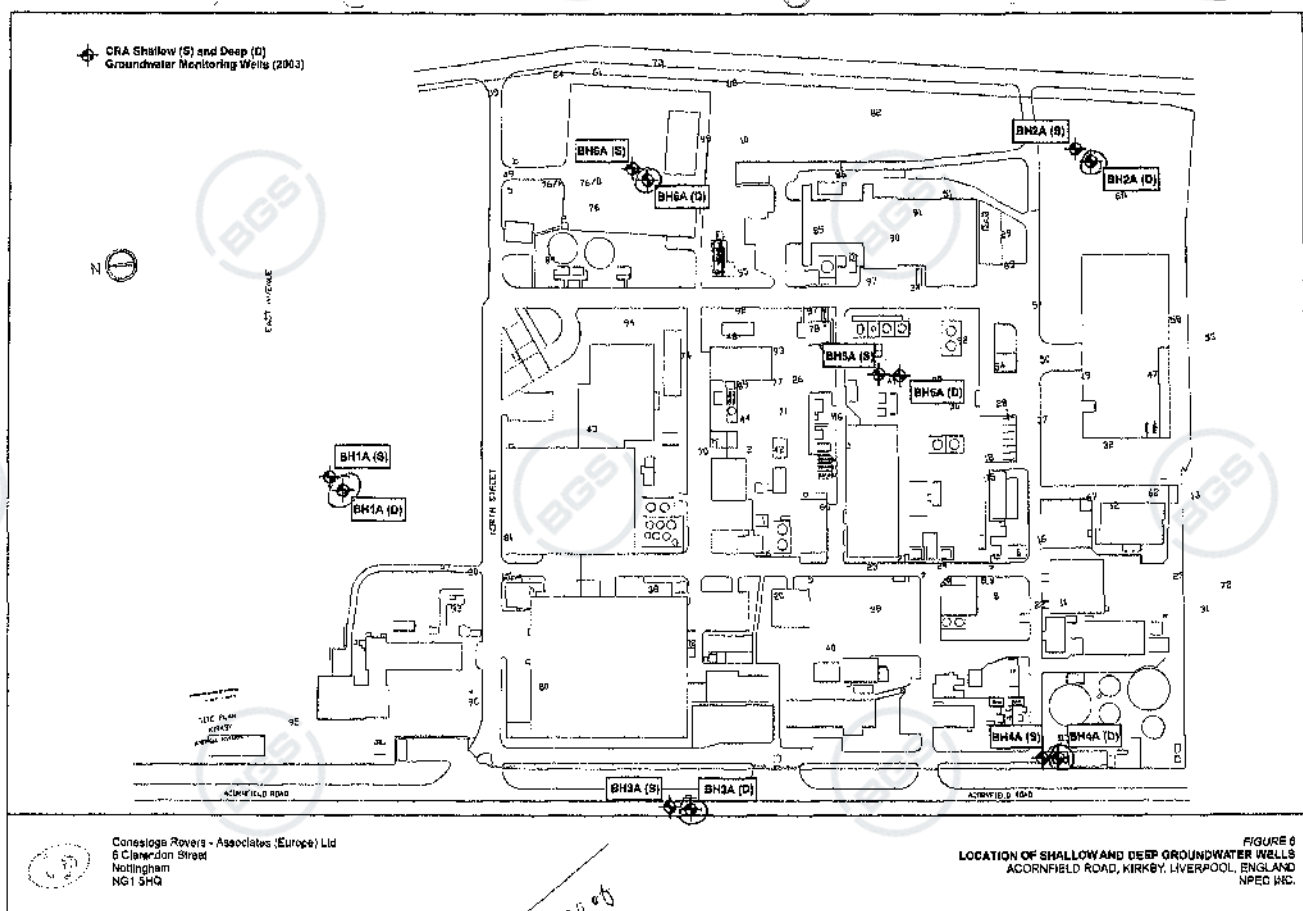


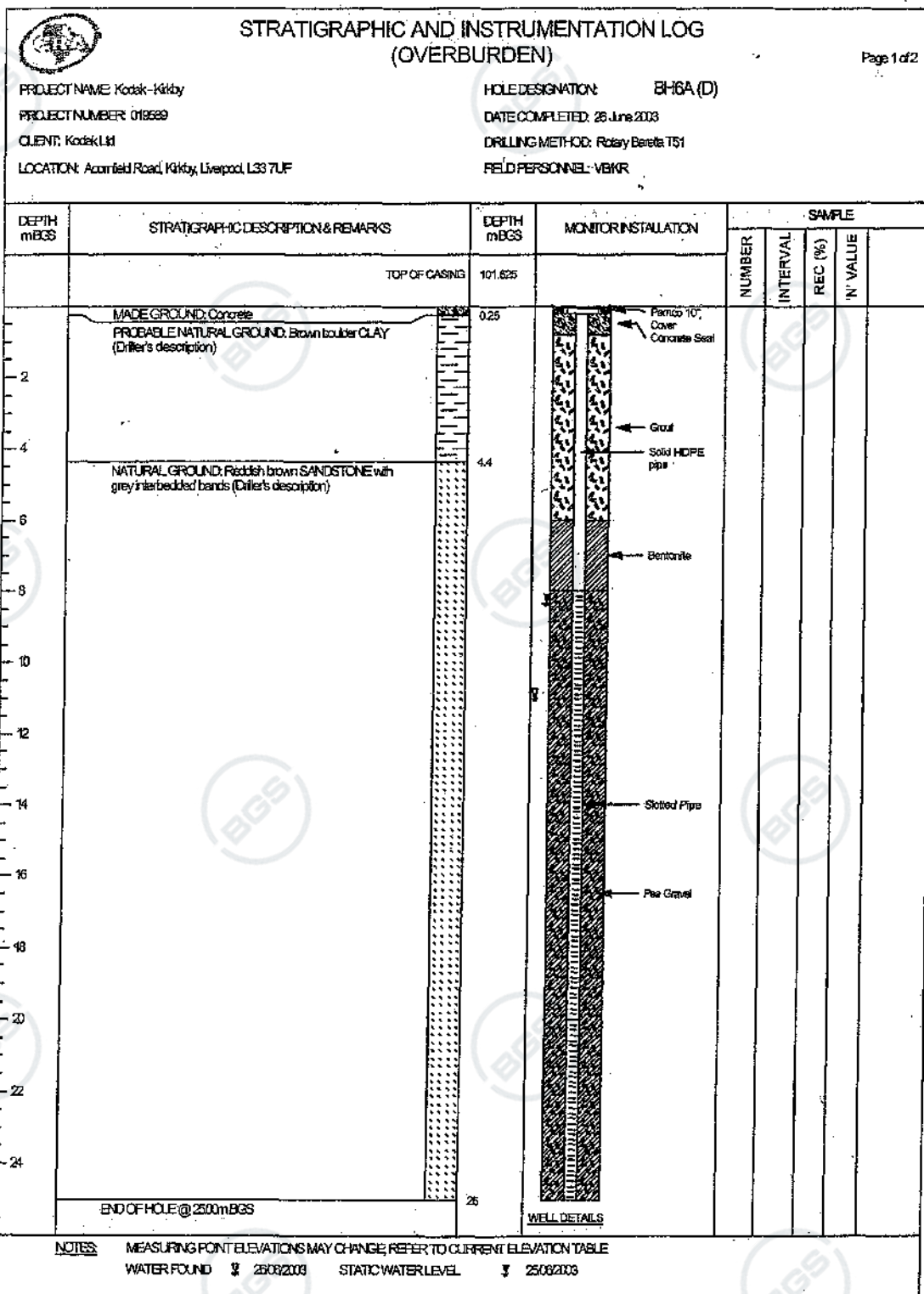
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)						Page 2 of 2	
PROJECT NAME: Kodak-Kirby			HOLE DESIGNATION: BH5A (S)				
PROJECT NUMBER: 019589			DATE COMPLETED: 24 June 2003				
CLIENT: Kodak Ltd			DRILLING METHOD: Shell and Auger				
LOCATION: Aconfield Road, Kirby, Liverpool, L33 7UF			FIELD PERSONNEL: CW				
DEPTH m BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH m BGS	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (%)	N' VALUE
7.5			Material: PEA GRAVEL				
			Screened interval: m BGS				
			Seal: m BGS				
8.0			Sand Pack: m BGS				
			Screened interval: m BGS				
8.5			Seal: m BGS				
			Sand Pack: m BGS				
9.0			Screened interval: m BGS				
			Seal: m BGS				
9.5			Sand Pack: m BGS				
10.0							
10.5							
11.0							
11.5							
12.0							
12.5							
13.0							
13.5							

OVERBURDEN LOG UK ROTARY AND WISLOGS.GPJ CRA UK.GDT 29/07/03

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

CHEMICAL ANALYSIS



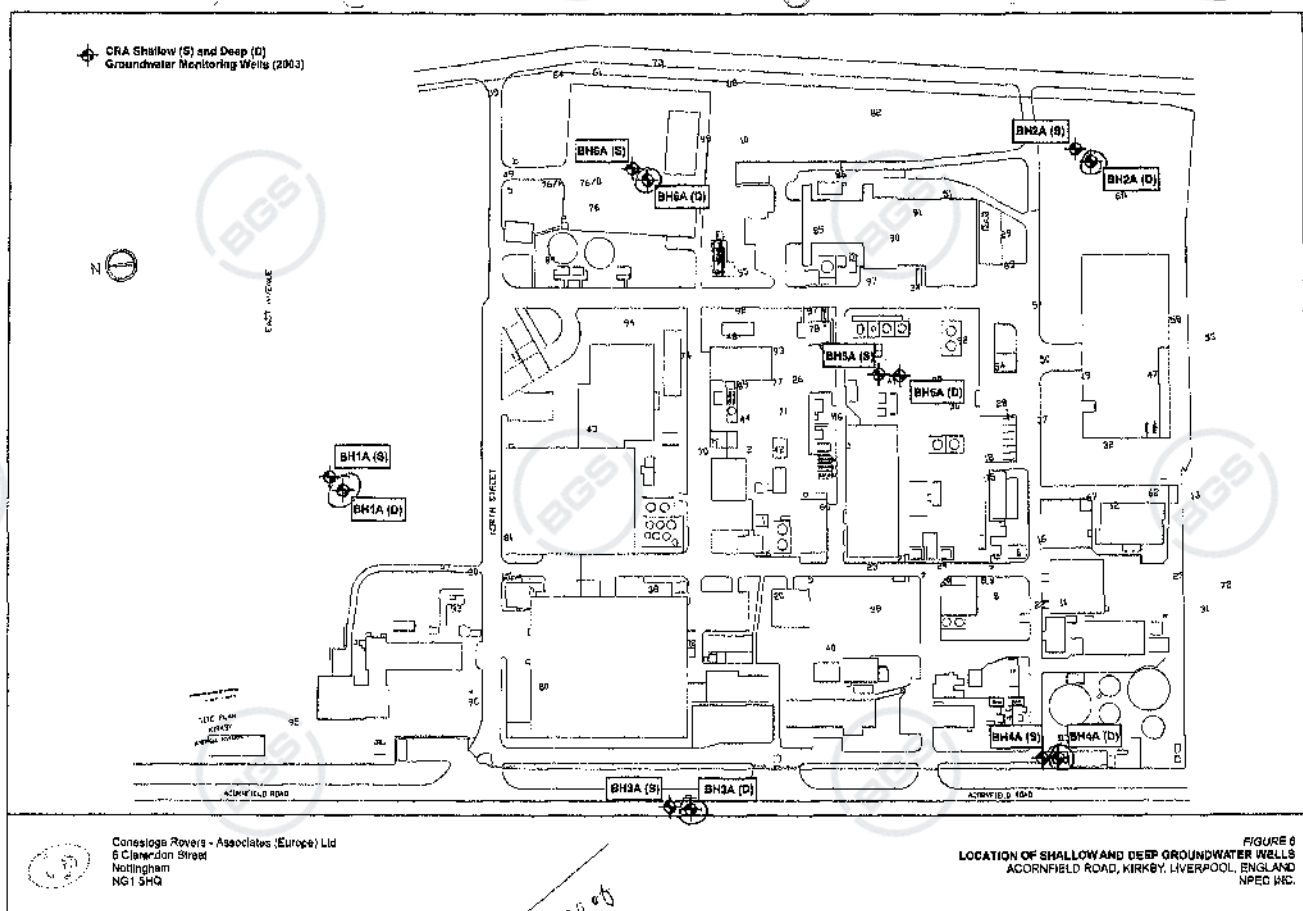




STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)							
PROJECT NAME: Kodak-Kirkby		HOLE DESIGNATION: BH6A (D)					
PROJECT NUMBER: 019689		DATE COMPLETED: 26 June 2003					
CLIENT: Kodak Ltd		DRILLING METHOD: Rotary Percussion T51					
LOCATION: Aconfield Road, Kirkby, Liverpool, L33 7UF		FIELD PERSONNEL: VBR					
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: 8 to 25m BGS Length: 17m Diameter: 50mm Slot Size: 10 Material: HDPE PIPE Seal: 6 to 8m BGS Material: BENTONITE Sand Pack: 8 to 25m BGS Material: PEA GRAVEL				
28			Screened Interval: m BGS Seal: m BGS Sand Pack: m BGS				
30			Screened Interval: m BGS Seal: m BGS Sand Pack: m BGS				
32			Screened Interval: m BGS Seal: m BGS Sand Pack: m BGS				
34			Screened Interval: m BGS Seal: m BGS Sand Pack: m BGS				
36			Screened Interval: m BGS Seal: m BGS Sand Pack: m BGS				
38			Screened Interval: m BGS Seal: m BGS Sand Pack: m BGS				
40			Screened Interval: m BGS Seal: m BGS Sand Pack: m BGS				
42							
44							
46							
48							
50							

OVERBURDEN LOG UK ROTARY AND VBS LOGS (GPJ) CRA UK GDT 260703

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND: 26/06/2003 STATIC WATER LEVEL: 25/06/2003

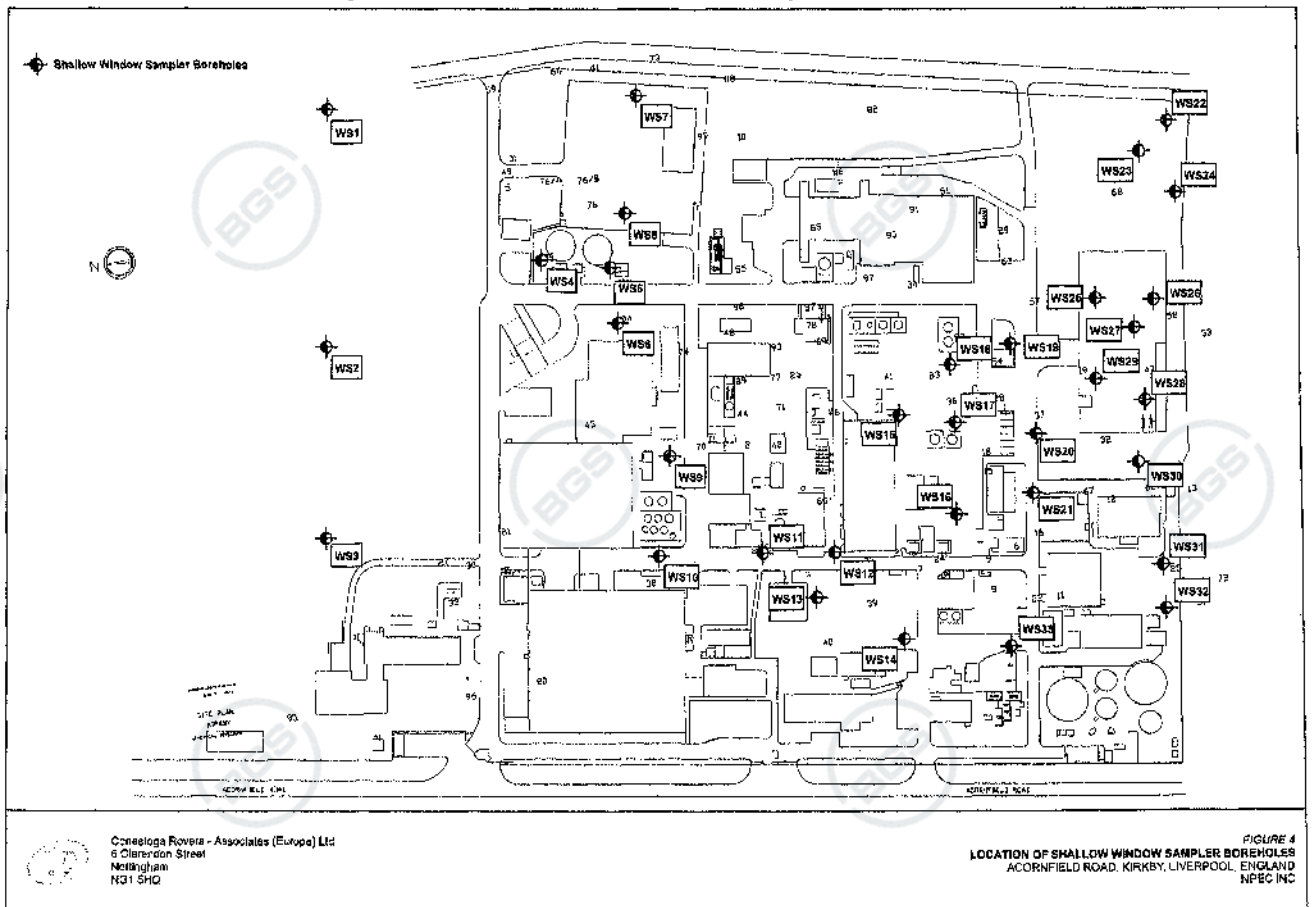


DEPTH m BGS		STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH m BGS		SAMPLE			
			NUMBER	INTERVAL	REC (m)	'N' VALUE		
		MADE GROUND: hardcore underlain by pale fibrous matting. NATURAL GROUND: Very stiff, light brown CLAY with small angular gravels.	0.05					
0.5		NATURAL GROUND: Dark brown, SANDY CLAY. Peaty odour apparent.	0.5					
		(PID= 249ppm (0.5-0.7m)).	0.7					
1.0		NATURAL GROUND: Dark brown, CLAYEY SAND with occasional sub-rounded gravel.						
1.5		NATURAL GROUND: Medium- stiff, grey- blueish, CLAY with soft pockets of grey clay.	1.1					
2.0		END OF HOLE @ 2.00m BGS The borehole was terminated at two metres in natural ground.	2					
2.5								
3.0								
3.5								
4.0								
4.5								

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

CHEMICAL ANALYSIS ☐

OVERBURDEN LOG UK KIRKBY GINTEH GFSJ CRA UK GDT 280205

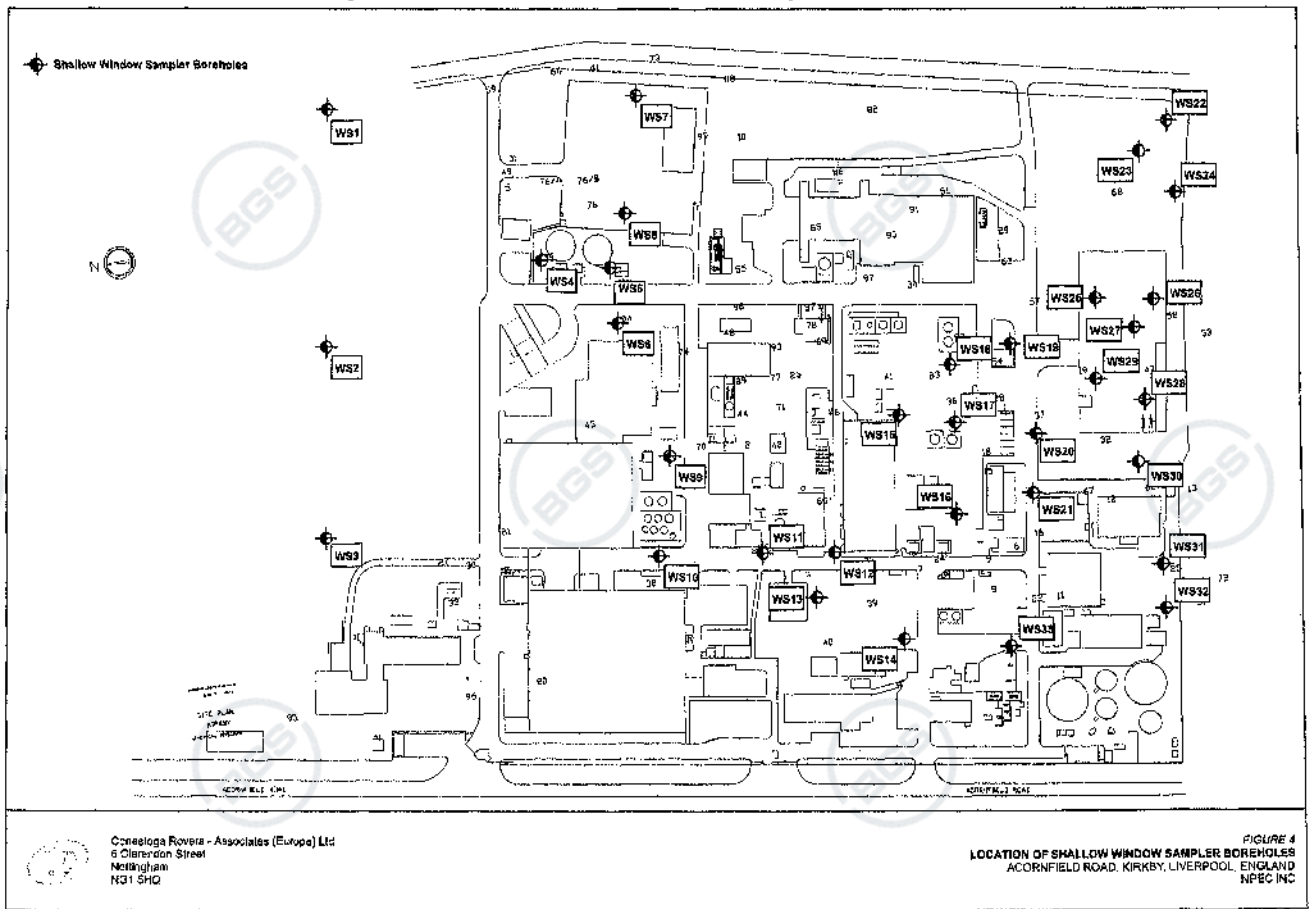


DEPTH m BGS		STRATIGRAPHIC DESCRIPTION & REMARKS	SAMPLE			
DEPTH m BGS			NUMBER	INTERVAL	REC (m)	'N' VALUE
		MADE GROUND; Grassed surface. Loose, fine, dry, brown topsoil. Soft, small, crushable pebbles in soil. Fine grass rootlets.				
0.5		MADE GROUND; Semi-firm to firm, dry, sub-angular to sub-rounded, grey, pebbles within a loose, light brown-grey, sandy matrix like dry, fine crushed cement or concrete.				
1.0		MADE GROUND; Loose, fine to medium, sub-angular, grey pebbles, damp within a dark grey-black sandy matrix.				
		(PID=38ppm (0.5-2.0m))				
1.5		POSSIBLY MADE GROUND; Soft to firm (with depth), light brown to grey, silty clay. Becomes sandy clay with depth. At 1.2m some bands of very fine red/black pebbles, possibly fine brick. Sandy gravel exhibited slight smell, not hydrocarbons, possibly solvents.	D13	G		
2.0		END OF HOLE @ 2.00m BGS				
		The borehole was terminated at two metres in made ground.				
2.5						
3.0						
3.5						
4.0						
4.5						

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

CHEMICAL ANALYSIS ☐

OVERBURDEN LOG UK KIRKBY/GINTBH.CPJ CRA UK GDT 280205

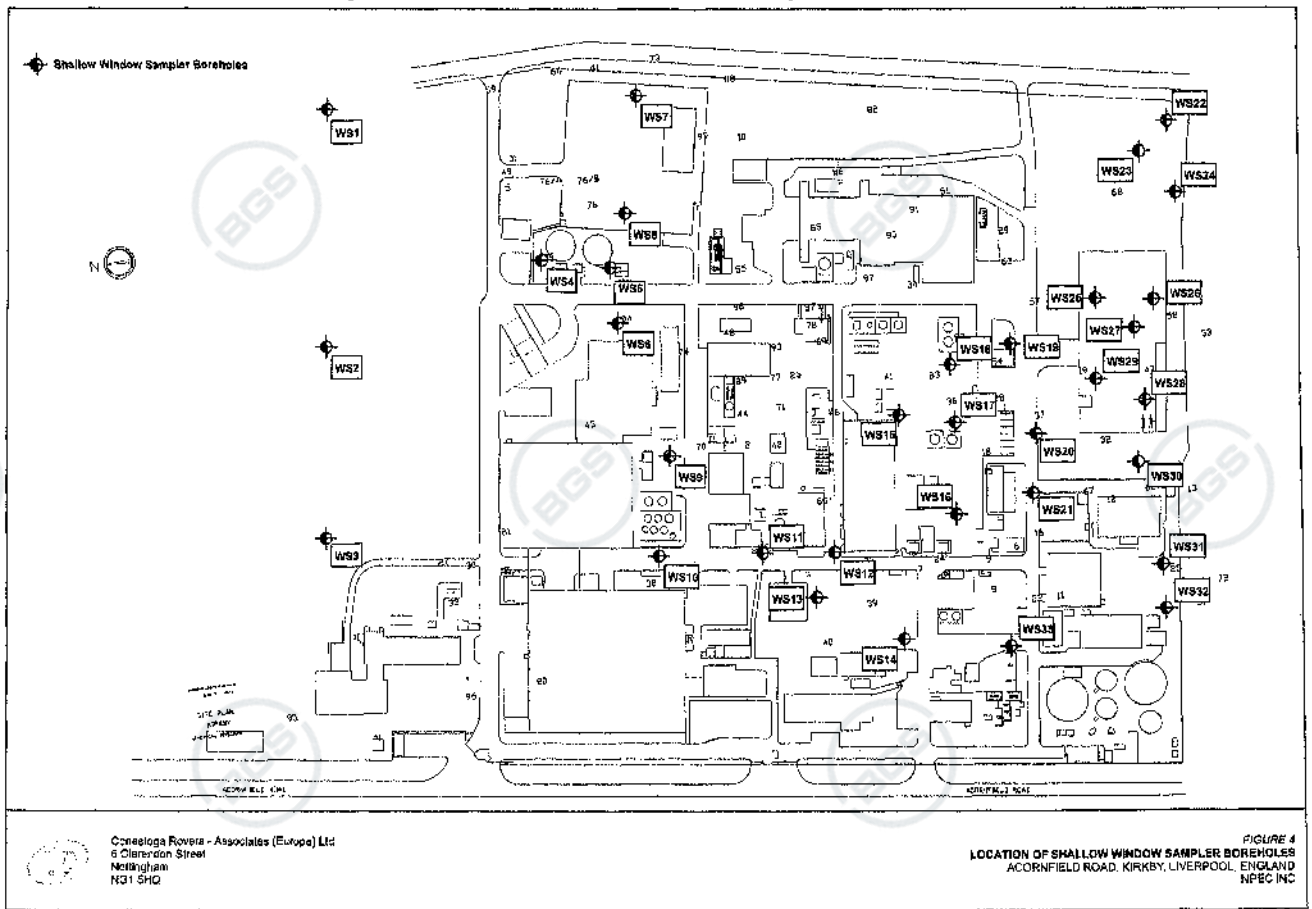


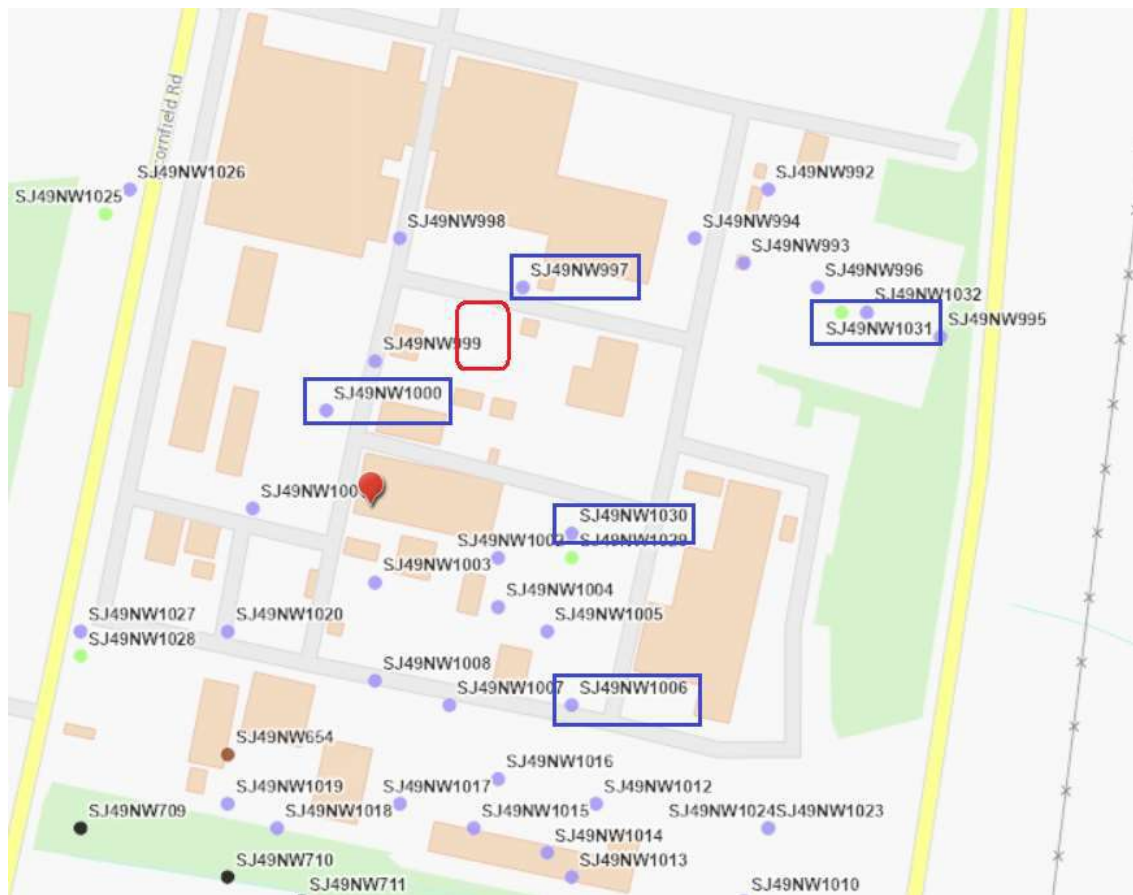
DEPTH m BGS		STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH m BGS		SAMPLE			
			NUMBER	INTERVAL	REC (m)	'N' VALUE		
		MADE GROUND: Road stone hardcore.	0.05					
		MADE GROUND: Light brown, sandy clay with numeral small angular gravels with red brick and tile fragments. Plastic membrane also present.						
0.5		NATURAL GROUND: Dark brown, SANDY CLAY with assorted size gravels and damp wood. (PID= 43.4ppm)	0.5		01	G		
1.0		NATURAL GROUND: Brown, wet, CLAY matrix with occasional wood fragments and numerous small gravels.	1					
1.2		ABANDONED END OF HOLE @ 1.20m BGS	1.2					
1.5		The borehole was terminated at 1.2 metres in natural ground.						
2.0								
2.5								
3.0								
3.5								
4.0								
4.5								

OVERBURDEN LOG UK KIRKBYGINTB4.GPJ CRA_UK.GDT 26/02/05

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

CHEMICAL ANALYSIS ☐





Appendix 4 - EnviroInsight and GeoInsight Report GS-MEM-W6P-ECY-GND

SURFACE TRANSFORMS, IMAGE BUSINESS PARK, ACORNFIELD ROAD 11M F, ACORNFIELD ROAD, KNOWSLEY INDUSTRIAL PARK, KIRKBY, KNOWSLEY, L33 7UF

Order Details

Date: 08/04/2024
Your ref: E1891
Our Ref: GS-MEM-W6P-ECY-GND

Site Details

Location: 343860 398747
Area: 1.45 ha
Authority: [Knowsley Metropolitan Borough Council](#) ↗



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[Summary of findings](#)

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

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.14 >](#) groundsure.com/insightuserguide ↗

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	3	8	6	-
16 >	1.2 >	Historical tanks >	20	11	38	42	-
21 >	1.3 >	Historical energy features >	0	1	6	22	-
22 >	1.4 >	Historical petrol stations >	0	0	0	1	-
22	1.5	Historical garages	0	0	0	0	-
23 >	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
24 >	2.1 >	Historical industrial land uses >	5	3	10	6	-
25 >	2.2 >	Historical tanks >	25	17	47	54	-
31 >	2.3 >	Historical energy features >	0	2	10	34	-
33 >	2.4 >	Historical petrol stations >	0	0	0	2	-
33	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
34	3.1	Active or recent landfill	0	0	0	0	-
34 >	3.2 >	Historical landfill (BGS records) >	0	0	0	1	-
35	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
35 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	0	-
35 >	3.5 >	Historical waste sites >	0	1	3	4	-
38 >	3.6 >	Licensed waste sites >	0	1	5	18	-
44 >	3.7 >	Waste exemptions >	0	0	5	95	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
53 >	4.1 >	Recent industrial land uses >	8	10	37	-	-
57	4.2	Current or recent petrol stations	0	0	0	0	-
57	4.3	Electricity cables	0	0	0	0	-
57	4.4	Gas pipelines	0	0	0	0	-
57	4.5	Sites determined as Contaminated Land	0	0	0	0	-



57 >	4.6 >	Control of Major Accident Hazards (COMAH) >	1	0	1	3	-
58	4.7	Regulated explosive sites	0	0	0	0	-
58 >	4.8 >	Hazardous substance storage/usage >	0	0	1	8	-
60 >	4.9 >	Historical licensed industrial activities (IPC) >	0	0	16	18	-
64 >	4.10 >	Licensed industrial activities (Part A(1)) >	4	1	56	111	-
95 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	1	-
96 >	4.12 >	Radioactive Substance Authorisations >	0	0	0	1	-
96 >	4.13 >	Licensed Discharges to controlled waters >	0	0	1	0	-
96	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
97	4.15	Pollutant release to public sewer	0	0	0	0	-
97 >	4.16 >	List 1 Dangerous Substances >	0	0	1	0	-
97 >	4.17 >	List 2 Dangerous Substances >	0	0	1	0	-
97 >	4.18 >	Pollution Incidents (EA/NRW) >	1	0	4	2	-
98 >	4.19 >	Pollution inventory substances >	2	0	3	2	-
108 >	4.20 >	Pollution inventory waste transfers >	1	0	2	3	-
162	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
163 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
165 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
166 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
167	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
167	5.5	Groundwater vulnerability- local information	None (within 0m)				
168 >	5.6 >	Groundwater abstractions >	0	2	4	3	24
176 >	5.7 >	Surface water abstractions >	0	0	0	2	0
177 >	5.8 >	Potable abstractions >	0	0	0	1	3
178 >	5.9 >	Source Protection Zones >	1	0	0	0	-
178	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
179 >	6.1 >	Water Network (OS MasterMap) >	0	0	11	-	-

180 >	6.2 >	Surface water features >	0	0	7	-	-
181 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
181 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
181 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
183	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
183	7.2	Historical Flood Events	0	0	0	-	-
183	7.3	Flood Defences	0	0	0	-	-
184	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
184	7.5	Flood Storage Areas	0	0	0	-	-
185	7.6	Flood Zone 2	None (within 50m)				
185	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
186 >	8.1 >	Surface water flooding >	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding >					
188 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
189	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
190	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
190	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
190	10.4	Special Protection Areas (SPA)	0	0	0	0	0
190	10.5	National Nature Reserves (NNR)	0	0	0	0	0
191 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
191	10.7	Designated Ancient Woodland	0	0	0	0	0
191	10.8	Biosphere Reserves	0	0	0	0	0
191	10.9	Forest Parks	0	0	0	0	0
192	10.10	Marine Conservation Zones	0	0	0	0	0
192 >	10.11 >	Green Belt >	0	0	2	0	1
192	10.12	Proposed Ramsar sites	0	0	0	0	0

192	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
193	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
193	10.15	Nitrate Sensitive Areas	0	0	0	0	0
193 >	10.16 >	<u>Nitrate Vulnerable Zones ></u>	1	0	1	0	1
194	10.17	SSSI Impact Risk Zones	0	-	-	-	-
194	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
195	11.1	World Heritage Sites	0	0	0	-	-
195	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
195	11.3	National Parks	0	0	0	-	-
195	11.4	Listed Buildings	0	0	0	-	-
196	11.5	Conservation Areas	0	0	0	-	-
196	11.6	Scheduled Ancient Monuments	0	0	0	-	-
196	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<u>Agricultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
197 >	12.1 >	<u>Agricultural Land Classification ></u>	Grade 1 (within 250m)				
198	12.2	Open Access Land	0	0	0	-	-
198	12.3	Tree Felling Licences	0	0	0	-	-
198	12.4	Environmental Stewardship Schemes	0	0	0	-	-
199 >	12.5 >	<u>Countryside Stewardship Schemes ></u>	0	0	3	-	-
Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
200 >	13.1 >	<u>Priority Habitat Inventory ></u>	0	0	2	-	-
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	<u>Geology 1:10,000 scale ></u>	On site	0-50m	50-250m	250-500m	500-2000m
202 >	14.1 >	<u>10k Availability ></u>	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	1	0	-
208 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
209 >	15.4 >	Superficial geology (50k) >	1	0	1	1	-
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 >	1	7	47	-	-
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	1	9	-	-
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	1	0	-



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	-
230	19.5	National karst database	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 >	2	0	-	-	-
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 >	1	0	14	-	-
236	22.5	Royal Mail tunnels	0	0	0	-	-

236	22.6	Historical railways	0	0	0	-	-
236	22.7	Railways	0	0	0	-	-
236	22.8	Crossrail 1	0	0	0	0	-
236	22.9	Crossrail 2	0	0	0	0	-
237	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC

Capture Date: 18/10/2022

Site Area: 1.45ha



Recent site history - 2019 aerial photograph



Capture Date: 22/04/2019

Site Area: 1.45ha



Recent site history - 2015 aerial photograph



Capture Date: 11/06/2015

Site Area: 1.45ha



Recent site history - 2001 aerial photograph



Capture Date: 01/05/2001

Site Area: 1.45ha



Recent site history - 2000 aerial photograph

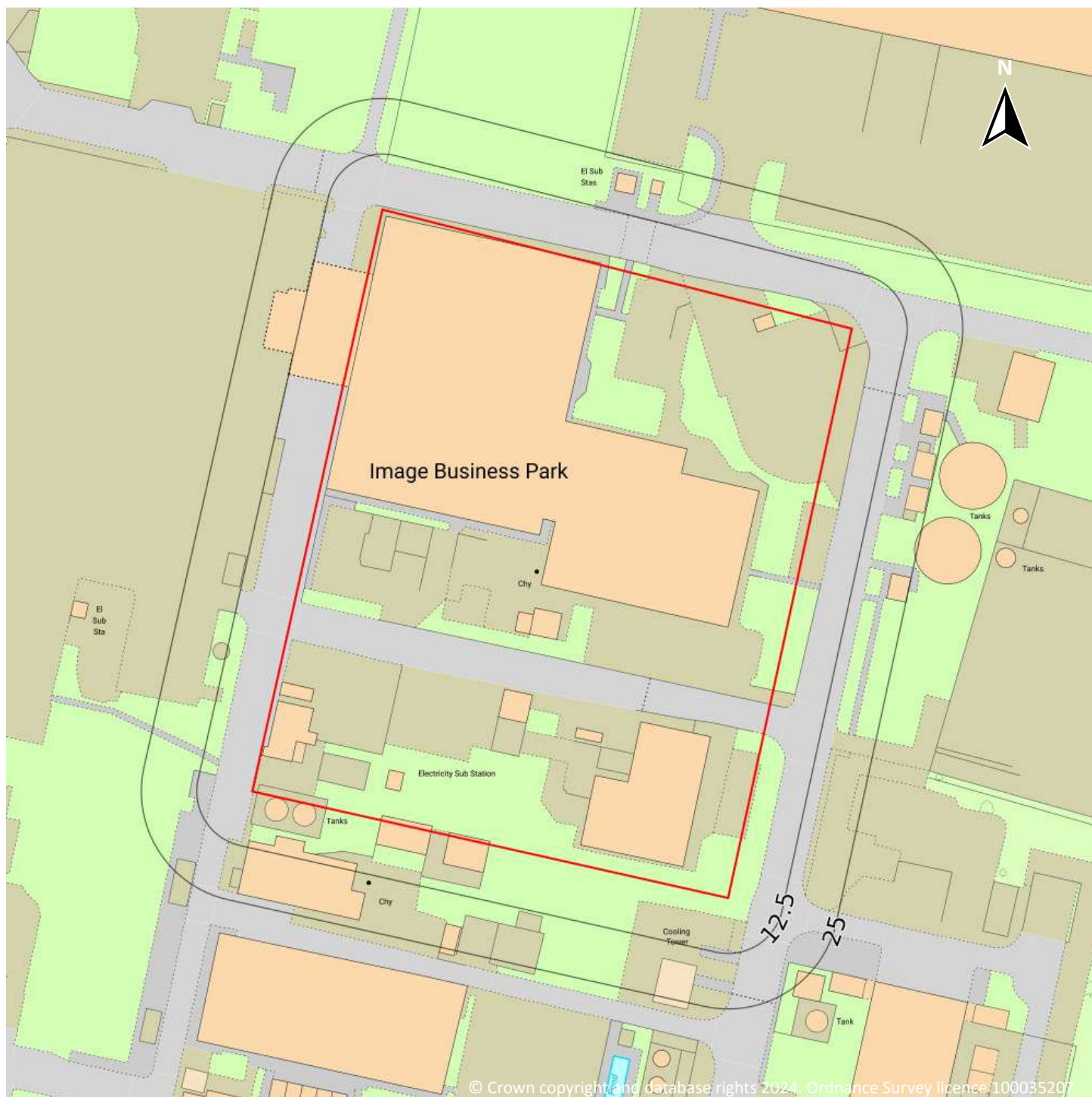


Capture Date: 21/07/2000

Site Area: 1.45ha



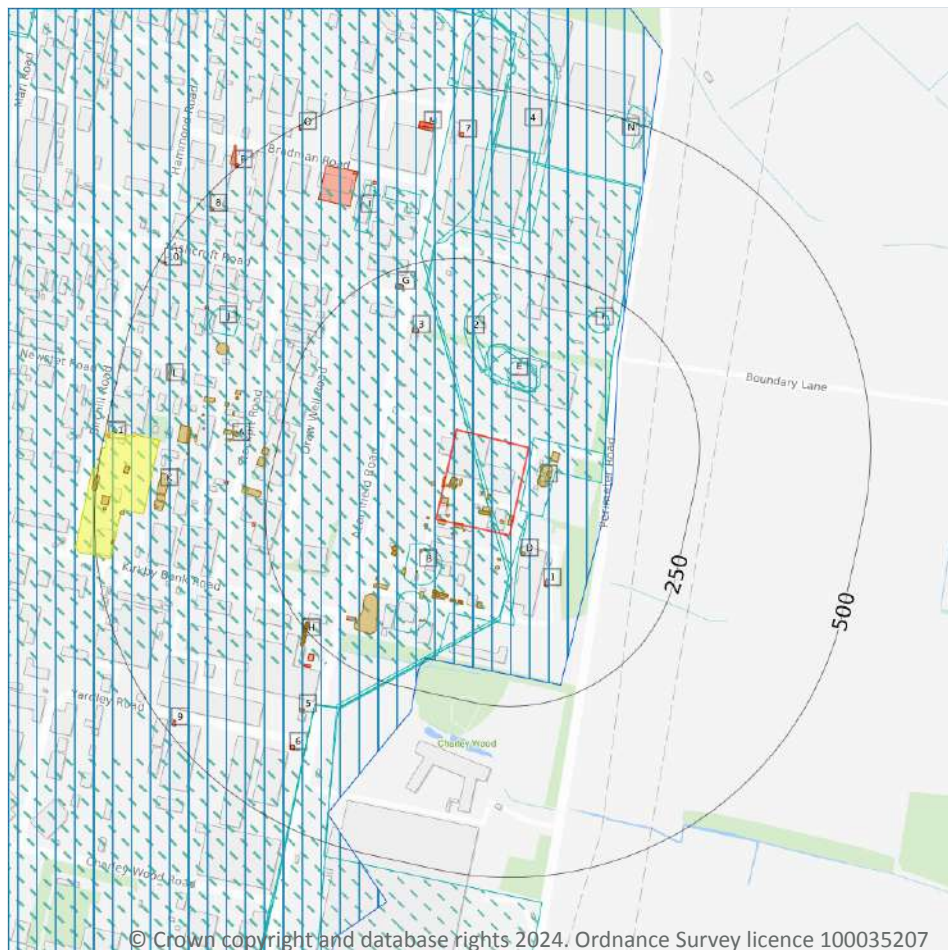
OS MasterMap site plan



Site Area: 1.45ha



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

22

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	884931



ID	Location	Land use	Dates present	Group ID
A	On site	Industrial Estate	1988	942563
A	On site	Unspecified Commercial/Industrial	1955	951966
A	On site	Industrial Estate	1976	979291
A	On site	Railway Sidings	1955 - 1976	2367747
C	24m E	Unspecified Tank	1988	824629
C	25m E	Unspecified Tank	1988	824631
B	40m SW	Unspecified Heaps	1955	831253
E	77m NE	Marl Pit	1907	933617
E	79m NE	Marl Pit	1928	883589
E	80m NE	Unspecified Pit	1890	839751
E	85m NE	Marl Pit	1955	848836
2	89m N	Unspecified Heap	1955	803313
B	110m SW	Unspecified Heaps	1955	831254
F	195m NE	Unspecified Heap	1988	881184
F	195m NE	Unspecified Heap	1966 - 1976	968561
4	306m N	Railway Sidings	1955	954750
I	316m NW	Unspecified Heap	1976	803315
I	320m N	Unspecified Heaps	1976	831252
J	352m NW	Unspecified Heap	1966	803314
N	463m N	Marl Pit	1907	798135
N	500m NE	Marl Pit	1928 - 1955	946386

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

111

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
B	On site	Tanks	1994	105754
B	On site	Tanks	1972	105755
B	On site	Tanks	1984	105758
B	On site	Tanks	1972	105759
B	On site	Tanks	1994	105760
B	On site	Unspecified Tank	1984	113119
B	On site	Unspecified Tank	1984	113120
B	On site	Tanks	1994	124094
B	On site	Tanks	1972 - 1994	126369
B	On site	Tanks	1984	126805
B	On site	Tanks	1984	127050
B	On site	Unspecified Tank	1972 - 1984	127562
B	On site	Tanks	1984	129634
B	On site	Tanks	1972 - 1984	137409
B	On site	Unspecified Tank	1984 - 1994	139427
B	On site	Tanks	1972 - 1994	140091
B	On site	Tanks	1984	140320
B	On site	Tanks	1984 - 1994	145944
B	On site	Tanks	1968	148581
B	On site	Tanks	1972	149073
B	6m S	Unspecified Tank	1994	113121
B	11m SW	Unspecified Tank	1984	113123
B	13m W	Tanks	1972	105756
B	14m SW	Unspecified Tank	1984	113122
B	14m SW	Unspecified Tank	1984	113124
C	23m E	Tanks	1984 - 1994	127905
D	31m SE	Unspecified Tank	1984 - 1994	139257



ID	Location	Land use	Dates present	Group ID
C	31m E	Unspecified Tank	1972 - 1994	145629
C	35m E	Unspecified Tank	1984	113118
D	36m S	Unspecified Tank	1984 - 1994	130894
D	47m S	Unspecified Tank	1984 - 1994	142373
B	51m SW	Unspecified Tank	1984	113127
B	67m SW	Unspecified Tank	1984	113128
B	69m SW	Tanks	1968	105766
B	71m SW	Unspecified Tank	1972 - 1984	124994
B	77m SW	Unspecified Tank	1960 - 1972	130478
B	81m SW	Unspecified Tank	1984	113136
B	85m SW	Tanks	1994	105765
B	102m SW	Tanks	1984	122364
B	102m SW	Tanks	1994	138878
B	102m SW	Tanks	1994	124398
B	104m S	Tanks	1994	136150
B	104m S	Tanks	1994	138391
B	104m S	Tanks	1984 - 1994	143893
B	108m S	Tanks	1984	124183
B	108m SW	Tanks	1972 - 1994	131599
B	109m S	Tanks	1984	131884
B	109m S	Tanks	1994	123517
B	109m SW	Tanks	1984 - 1994	144046
B	109m S	Tanks	1994	142390
B	109m S	Tanks	1994	144638
B	109m S	Tanks	1994	125823
B	110m S	Tanks	1994	105763
B	110m S	Tanks	1994	105762
B	110m S	Tanks	1994	105761



ID	Location	Land use	Dates present	Group ID
B	113m SW	Tanks	1984	105764
B	121m SW	Unspecified Tank	1984	131885
B	121m SW	Unspecified Tank	1994	113129
B	131m SW	Unspecified Tank	1994	123770
B	143m SW	Tanks	1994	105767
B	149m SW	Unspecified Tank	1972 - 1994	125430
H	239m SW	Tanks	1968 - 1984	141645
H	240m SW	Tanks	1960	141530
H	241m SW	Unspecified Tank	1960	113130
H	241m SW	Tanks	1972	145001
H	245m SW	Unspecified Tank	1960	113134
H	245m SW	Tanks	1972	133885
H	249m SW	Unspecified Tank	1960	113135
H	249m SW	Tanks	1972	138411
H	253m SW	Unspecified Tank	1960	113133
H	253m SW	Tanks	1972	136661
H	257m SW	Unspecified Tank	1960	113131
H	257m SW	Tanks	1972	138682
A	259m W	Tanks	1994	105757
A	261m W	Tanks	1994	105753
H	262m SW	Tanks	1972	135161
A	263m W	Tanks	1994	105752
H	266m SW	Tanks	1972	145073
A	310m W	Tanks	1994	105751
A	315m W	Tanks	1994	105744
A	317m W	Tanks	1994	105743
A	319m W	Tanks	1984	105749
A	320m W	Tanks	1994	105746



ID	Location	Land use	Dates present	Group ID
A	320m W	Unspecified Tank	1972	113117
A	320m W	Tanks	1984	105750
A	321m W	Unspecified Tank	1968 - 1969	131002
A	333m W	Tanks	1968 - 1969	131607
5	338m SW	Tanks	1972 - 1985	127439
J	353m NW	Unspecified Tank	1994	113115
A	354m W	Tanks	1968 - 1969	139330
A	359m W	Unspecified Tank	1960	132959
A	360m W	Unspecified Tank	1960	127006
A	364m W	Unspecified Tank	1960	128425
A	365m W	Unspecified Tank	1960	146709
A	367m W	Unspecified Tank	1968 - 1969	140984
A	374m W	Unspecified Tank	1968 - 1969	143830
A	377m W	Tanks	1968 - 1969	136459
A	379m W	Tanks	1994	145393
K	395m W	Tanks	1994	105735
K	398m W	Tanks	1994	105736
K	398m W	Tanks	1994	105734
K	409m W	Unspecified Tank	1994	113125
L	424m W	Unspecified Tank	1994	113111
L	425m W	Tanks	1994	105742
K	454m W	Tanks	1968 - 1969	127889
K	457m W	Unspecified Tank	1994	113126
K	473m W	Unspecified Tank	1968 - 1969	129473
8	478m NW	Unspecified Tank	1971 - 1994	136400
K	479m W	Tanks	1968 - 1969	147047
K	482m W	Tanks	1994	105733
K	496m W	Tanks	1994	105737

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

29

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	16m SW	Electricity Substation	1984 - 1994	66291
1	83m SE	Electricity Substation	1984 - 1994	73839
3	152m NW	Electricity Substation	1994	61341
B	182m SW	Electricity Substation	1984	61350
B	186m SW	Electricity Substation	1972 - 1994	84791
G	219m NW	Electricity Substation	1984 - 1994	67804
G	220m N	Electricity Substation	1971	69299
A	264m W	Electricity Substation	1984 - 1994	83067
H	268m SW	Electricity Substations	1999	59867
H	282m SW	Electricity Substation	1972	61349
H	282m SW	Electricity Substations	1985	59869
A	309m W	Electricity Substation	1994	61343
I	361m NW	Electricity Substation	1971	70091
I	377m N	Electricity Substation	1971	61340
6	391m SW	Electricity Substation	1972 - 1999	65741
I	400m N	Electricity Substation	1971	68847
J	402m NW	Electricity Substation	1971 - 1994	74565
7	428m N	Electricity Substation	1971 - 1994	68344
M	437m N	Electricity Substation	1984 - 1992	75473
M	441m N	Electricity Substation	1971	64582
M	441m N	Electricity Substation	1994	71226



ID	Location	Land use	Dates present	Group ID
9	481m SW	Electricity Substation	1994	61347
10	489m NW	Electricity Substation	1971	61342
11	492m W	Electricity Substation	1968 - 1969	71795
O	492m NW	Electricity Substation	1971 - 1992	78578
O	493m NW	Electricity Substation	1994	68804
P	499m NW	Electricity Substation	1984	65965
P	499m NW	Electricity Substation	1992	75034
P	500m NW	Electricity Substation	1971	76788

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
K	419m W	Petroleum Product Works	1968 - 1969	1614

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
A	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

24

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 24](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Industrial Estate	1966	884931
A	On site	Railway Sidings	1966	2367747
A	On site	Industrial Estate	1976	979291



ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Commercial/Industrial	1955	951966
A	On site	Industrial Estate	1988	942563
C	24m E	Unspecified Tank	1988	824629
C	25m E	Unspecified Tank	1988	824631
B	40m SW	Unspecified Heaps	1955	831253
E	77m NE	Marl Pit	1907	933617
E	79m NE	Marl Pit	1928	883589
E	80m NE	Unspecified Pit	1890	839751
G	84m W	Railway Sidings	1976	2367747
E	85m NE	Marl Pit	1955	848836
1	89m N	Unspecified Heap	1955	803313
B	110m SW	Unspecified Heaps	1955	831254
H	195m NE	Unspecified Heap	1966	968561
H	195m NE	Unspecified Heap	1976	968561
H	195m NE	Unspecified Heap	1988	881184
3	306m N	Railway Sidings	1955	954750
K	316m NW	Unspecified Heap	1976	803315
K	320m N	Unspecified Heaps	1976	831252
G	352m NW	Unspecified Heap	1966	803314
R	463m N	Marl Pit	1907	798135
R	500m NE	Marl Pit	1928	946386

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

143

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 24 >](#)



ID	Location	Land Use	Date	Group ID
B	On site	Unspecified Tank	1994	139427
B	On site	Tanks	1994	140091
B	On site	Tanks	1994	126369
B	On site	Tanks	1994	124094
B	On site	Tanks	1994	105754
B	On site	Tanks	1994	145944
B	On site	Tanks	1994	105760
B	On site	Tanks	1972	149073
B	On site	Tanks	1972	126369
B	On site	Tanks	1972	105755
B	On site	Tanks	1972	137409
B	On site	Tanks	1972	105759
B	On site	Unspecified Tank	1972	127562
B	On site	Tanks	1968	148581
B	On site	Tanks	1984	140320
B	On site	Tanks	1984	129634
B	On site	Tanks	1984	145944
B	On site	Tanks	1984	127050
B	On site	Unspecified Tank	1984	113119
B	On site	Unspecified Tank	1984	113120
B	On site	Tanks	1984	126805
B	On site	Unspecified Tank	1984	139427
B	On site	Tanks	1984	105758
B	On site	Tanks	1984	137409
B	On site	Unspecified Tank	1984	127562
B	0m SW	Tanks	1972	140091
B	6m S	Unspecified Tank	1994	113121
B	11m SW	Unspecified Tank	1984	113123



ID	Location	Land Use	Date	Group ID
B	13m W	Tanks	1972	105756
B	14m SW	Unspecified Tank	1984	113122
B	14m SW	Unspecified Tank	1984	113124
C	23m E	Tanks	1984	127905
C	24m E	Tanks	1994	127905
D	31m SE	Unspecified Tank	1994	139257
D	31m SE	Unspecified Tank	1984	139257
C	31m E	Unspecified Tank	1994	145629
C	31m E	Unspecified Tank	1972	145629
C	35m E	Unspecified Tank	1984	113118
D	36m S	Unspecified Tank	1994	130894
D	37m S	Unspecified Tank	1984	130894
D	47m S	Unspecified Tank	1994	142373
D	47m S	Unspecified Tank	1984	142373
B	51m SW	Unspecified Tank	1984	113127
B	67m SW	Unspecified Tank	1984	113128
B	69m SW	Tanks	1968	105766
B	71m SW	Unspecified Tank	1972	124994
B	72m SW	Unspecified Tank	1984	124994
B	77m SW	Unspecified Tank	1960	130478
B	77m SW	Unspecified Tank	1960	130478
B	77m SW	Unspecified Tank	1972	130478
B	81m SW	Unspecified Tank	1984	113136
B	85m SW	Tanks	1994	105765
B	102m SW	Tanks	1984	122364
B	102m SW	Tanks	1994	138878
B	102m SW	Tanks	1994	124398
B	104m S	Tanks	1994	136150



ID	Location	Land Use	Date	Group ID
B	104m S	Tanks	1994	138391
B	104m S	Tanks	1984	143893
B	105m S	Tanks	1994	143893
B	108m S	Tanks	1984	124183
B	108m SW	Tanks	1972	131599
B	109m SW	Tanks	1994	131599
B	109m S	Tanks	1984	131884
B	109m S	Tanks	1994	123517
B	109m SW	Tanks	1984	144046
B	109m S	Tanks	1994	142390
B	109m S	Tanks	1994	144638
B	109m S	Tanks	1994	125823
B	110m S	Tanks	1994	105763
B	110m SW	Tanks	1994	144046
B	110m S	Tanks	1994	105762
B	110m S	Tanks	1994	105761
B	113m SW	Tanks	1984	105764
B	121m SW	Unspecified Tank	1984	131885
B	121m SW	Unspecified Tank	1994	113129
B	131m SW	Unspecified Tank	1994	123770
B	143m SW	Tanks	1994	105767
B	149m SW	Unspecified Tank	1972	125430
B	149m SW	Unspecified Tank	1984	125430
B	149m SW	Unspecified Tank	1994	125430
J	239m SW	Tanks	1968	141645
J	240m SW	Tanks	1960	141530
J	241m SW	Unspecified Tank	1960	113130
J	241m SW	Tanks	1972	145001

ID	Location	Land Use	Date	Group ID
J	241m SW	Tanks	1984	141645
J	245m SW	Unspecified Tank	1960	113134
J	245m SW	Tanks	1972	133885
J	249m SW	Unspecified Tank	1960	113135
J	249m SW	Tanks	1972	138411
J	253m SW	Unspecified Tank	1960	113133
J	253m SW	Tanks	1972	136661
J	257m SW	Unspecified Tank	1960	113131
J	257m SW	Tanks	1972	138682
A	259m W	Tanks	1994	105757
A	261m W	Tanks	1994	105753
J	262m SW	Tanks	1972	135161
A	263m W	Tanks	1994	105752
J	266m SW	Tanks	1972	145073
A	310m W	Tanks	1994	105751
A	315m W	Tanks	1994	105744
A	317m W	Tanks	1994	105743
A	319m W	Tanks	1984	105749
A	320m W	Tanks	1994	105746
A	320m W	Unspecified Tank	1972	113117
A	320m W	Tanks	1984	105750
A	321m W	Unspecified Tank	1968	131002
A	322m W	Unspecified Tank	1969	131002
A	333m W	Tanks	1969	131607
A	333m W	Tanks	1968	131607
L	338m SW	Tanks	1972	127439
L	339m SW	Tanks	1985	127439
G	353m NW	Unspecified Tank	1994	113115



ID	Location	Land Use	Date	Group ID
A	354m W	Tanks	1969	139330
A	354m W	Tanks	1968	139330
A	359m W	Unspecified Tank	1960	132959
A	360m W	Unspecified Tank	1960	127006
A	364m W	Unspecified Tank	1960	128425
A	365m W	Unspecified Tank	1960	146709
A	367m W	Unspecified Tank	1969	140984
A	367m W	Unspecified Tank	1968	140984
A	374m W	Unspecified Tank	1969	143830
A	374m W	Unspecified Tank	1968	143830
A	377m W	Tanks	1969	136459
A	377m W	Tanks	1968	136459
A	379m W	Tanks	1994	145393
N	395m W	Tanks	1994	105735
N	398m W	Tanks	1994	105736
N	398m W	Tanks	1994	105734
N	409m W	Unspecified Tank	1994	113125
O	424m W	Unspecified Tank	1994	113111
O	425m W	Tanks	1994	105742
N	454m W	Tanks	1968	127889
N	456m W	Tanks	1969	127889
N	457m W	Unspecified Tank	1994	113126
N	473m W	Unspecified Tank	1968	129473
N	473m W	Unspecified Tank	1969	129473
S	478m NW	Unspecified Tank	1971	136400
N	479m W	Tanks	1968	147047
S	479m NW	Unspecified Tank	1986	136400
N	479m W	Tanks	1969	147047



ID	Location	Land Use	Date	Group ID
S	479m NW	Unspecified Tank	1994	136400
N	482m W	Tanks	1994	105733
N	496m W	Tanks	1994	105737

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

46

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 24 >](#)

ID	Location	Land Use	Date	Group ID
B	16m SW	Electricity Substation	1994	66291
B	18m SW	Electricity Substation	1984	66291
F	83m SE	Electricity Substation	1984	73839
F	84m SE	Electricity Substation	1994	73839
2	152m NW	Electricity Substation	1994	61341
B	182m SW	Electricity Substation	1984	61350
B	186m SW	Electricity Substation	1972	84791
B	187m SW	Electricity Substation	1994	84791
I	219m NW	Electricity Substation	1984	67804
I	219m NW	Electricity Substation	1992	67804
I	220m N	Electricity Substation	1971	69299
I	220m NW	Electricity Substation	1994	67804
A	264m W	Electricity Substation	1994	83067
A	265m W	Electricity Substation	1984	83067
J	268m SW	Electricity Substations	1999	59867
J	282m SW	Electricity Substation	1972	61349
J	282m SW	Electricity Substations	1985	59869



ID	Location	Land Use	Date	Group ID
A	309m W	Electricity Substation	1994	61343
K	361m NW	Electricity Substation	1971	70091
K	377m N	Electricity Substation	1971	61340
M	391m SW	Electricity Substation	1999	65741
M	392m SW	Electricity Substation	1972	65741
M	393m SW	Electricity Substation	1985	65741
K	400m N	Electricity Substation	1971	68847
G	402m NW	Electricity Substation	1971	74565
G	402m NW	Electricity Substation	1994	74565
G	403m NW	Electricity Substation	1986	74565
P	428m N	Electricity Substation	1984	68344
P	428m N	Electricity Substation	1992	68344
P	428m N	Electricity Substation	1971	68344
P	429m N	Electricity Substation	1994	68344
Q	437m N	Electricity Substation	1984	75473
Q	437m N	Electricity Substation	1992	75473
Q	441m N	Electricity Substation	1971	64582
Q	441m N	Electricity Substation	1994	71226
4	481m SW	Electricity Substation	1994	61347
5	489m NW	Electricity Substation	1971	61342
T	492m W	Electricity Substation	1969	71795
T	492m W	Electricity Substation	1968	71795
U	492m NW	Electricity Substation	1984	78578
U	492m NW	Electricity Substation	1992	78578
U	492m NW	Electricity Substation	1971	78578
U	493m NW	Electricity Substation	1994	68804
V	499m NW	Electricity Substation	1984	65965
V	499m NW	Electricity Substation	1992	75034

ID	Location	Land Use	Date	Group ID
V	500m NW	Electricity Substation	1971	76788

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 24 >](#)

ID	Location	Land Use	Date	Group ID
N	419m W	Petroleum Product Works	1969	1614
N	420m W	Petroleum Product Works	1968	1614

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

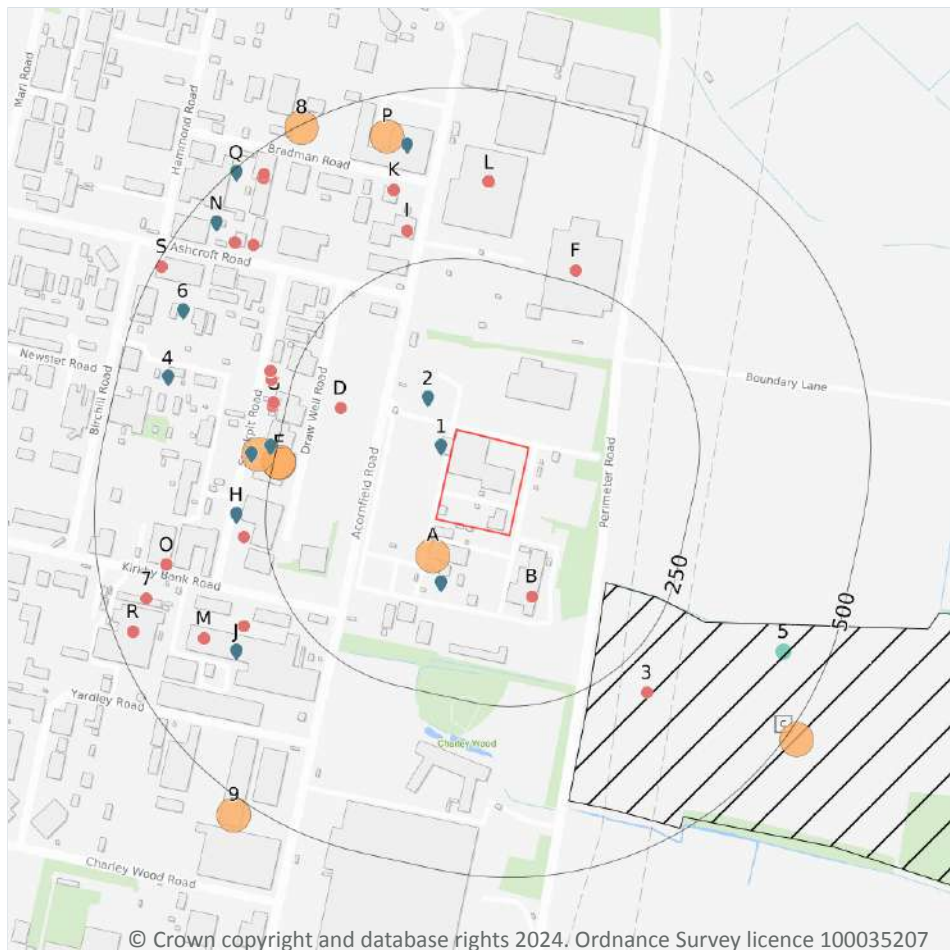
0

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 landfill (EA/NRW)
- Historical landfill (BGS)
- 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

1

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.

Features are displayed on the Waste and landfill map on [page 34 >](#)

ID	Location	Address	BGS Number	Risk	Waste Type
5	435m SE	Perimeter Road Tip, Kirkby, nr Liverpool	705	Risk to major aquifer	N/A

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0
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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	1
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Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on [page 34 >](#)

ID	Location	Details		
C	157m SE	Site Address: Kirkby Moss, Perimeter Road, Kirkby Moss, Kirkby, Knowsley, Merseyside Licence Holder Address: -	Waste Licence: - Site Reference: K1/17/051, GDO 051 Waste Type: Inert, Industrial, Commercial, Household, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Merseyside County Council Licence Holder: - First Recorded 31/12/1965 Last Recorded: 31/12/1975

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

3.5 Historical waste sites

Records within 500m	8
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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 34 >](#)

ID	Location	Address	Further Details	Date
A	28m SW	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
E	217m W	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	-
E	218m W	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	-
E	249m W	Site Address: Mulberry Waste Limited, Stockpit Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7TQ	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



ID	Location	Address	Further Details	Date
P	415m 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
8	471m NW	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
C	490m SE	Site Address: Land At Coopers Moss, Perimeter Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7SZ	Type of Site: Land Reclamation Work Planning application reference: 16/00342/FUL Description: Scheme comprises reclamation of tipped contaminated and derelict land through the importation of soils and soil forming materials; formation of new access; temporary construction of internal road, site offices and storage structures; car park and infrastructure compound with restoration to agriculture use and woodland. The associated works include sewer systems, landscaping, infrastructure, enabling, cable laying and access roads. Data source: Historic Planning Application Data Type: Point	-
9	499m SW	Site Address: Land At, Yardley Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7SS	Type of Site: Waste Recycling (Conversion) Planning application reference: 18/00098/FUL Description: Scheme comprises change of use from B8 to B2 for the recycling of skips, crushing and screening inert materials, together with installation of modular office building. Data source: Historic Planning Application Data Type: Point	01/06/2018

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



3.6 Licensed waste sites

Records within 500m

24

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

Features are displayed on the Waste and landfill map on [page 34](#) >

ID	Location	Details		
1	16m NW	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: 652316 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
2	61m NW	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: 649638 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
A	90m S	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



ID	Location	Details		
A	90m S	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
A	90m S	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
A	90m S	Site Name: Minerals Resource Management EPR/CP3690LE Site Address: Image Business Park, Acornfield Road, Knowsley Industrial Park, Merseyside, L33 7UF Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 652730 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



ID	Location	Details		
E	260m W	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: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 649716 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: 22/11/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	283m W	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
H	293m W	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
H	293m W	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		
H	293m W	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
H	293m W	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
H	293m W	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
J	351m SW	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



ID	Location	Details		
J	351m SW	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: 654843 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
J	351m SW	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: 657528 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
P	420m N	Site Name: SRCL Knowsley Treatment and Transfer Station Site Address: SRCL Knowsley Treatment and Transfer Station, Bradman Road, Knowsley Industrial Park, Merseyside, L33 7UR Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 646660 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: 13/10/2022 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
4	428m 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: 630196 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		
6	435m NW	Site Name: Unit 9 Lodge Works Site Address: Unit 9 Lodge Works, Birchill Road, Kirkby, L33 7TD Correspondence Address: -	Type of Site: 75kte HCI Waste TS Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: - EPR reference: EA/EPR/WE8737AB/A001 Operator: Lh Waste Removal And Grab Hire Ltd Waste Management licence No: 120748 Annual Tonnage: 0	Issue Date: 23/06/2023 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
N	462m 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
N	462m 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: 630225 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
Q	494m NW	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



ID	Location	Details		
Q	494m NW	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
Q	494m NW	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: 638956 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

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

3.7 Waste exemptions

Records within 500m	100
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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 34 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
B	95m 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
B	95m 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)



ID	Location	Site	Reference	Category	Sub-Category	Description
B	95m 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
D	173m NW	-	WEX276482	Using waste exemption	Not on a farm	Use of waste in construction
D	173m NW	-	WEX276482	Treating waste exemption	Not on a farm	Screening and blending of waste
F	267m NE	-	WEX348935	Treating waste exemption	Not on a farm	Sorting mixed waste
F	267m NE	-	WEX348935	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	267m NE	-	WEX348935	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
G	269m W	FACTORY	WEX261080	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
G	269m W	-	WEX295382	Storing waste exemption	Not on a Farm	Storage of waste in secure containers
G	269m W	-	WEX295382	Treating waste exemption	Not on a Farm	Preparatory treatments (baling, sorting, shredding etc)
G	269m W	-	WEX295382	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
G	269m W	STOCKPIT ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7TQ	WEX389486	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
G	270m W	STOCKPIT ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7TQ	WEX288560	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	270m W	STOCKPIT ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7TQ	WEX149316	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	270m W	STOCKPIT ROAD KNOWSLEY INDUSTRIAL PARK LIVERPOOL MERSEYSIDE L33 7TQ	EPR/WF0105L L/A001	Using waste exemption	Non- Agricultura l Waste Only	Burning of waste as a fuel in a small appliance
G	270m W	STOCKPIT ROAD KNOWSLEY INDUSTRIAL PARK LIVERPOOL MERSEYSIDE L33 7TQ	EPR/GF0037W L/A001	Disposing of waste exemption	Non- Agricultura l Waste Only	Burning waste in the open



ID	Location	Site	Reference	Category	Sub-Category	Description
G	281m NW	-	WEX367140	Using waste exemption	Not on a farm	Use of waste in construction
G	281m NW	-	WEX367140	Using waste exemption	Not on a farm	Use of waste for a specified purpose
G	281m NW	-	WEX367140	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
G	281m NW	-	WEX367140	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
G	281m NW	-	WEX367140	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
G	281m NW	-	WEX367140	Treating waste exemption	Not on a farm	Screening and blending of waste
G	281m NW	-	WEX367140	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
G	281m NW	-	WEX367140	Treating waste exemption	Not on a farm	Recovery of scrap metal
G	281m NW	-	WEX367140	Treating waste exemption	Not on a farm	Sorting mixed waste
G	281m NW	-	WEX367140	Treating waste exemption	Not on a farm	Manual treatment of waste
G	281m NW	-	WEX367140	Treating waste exemption	Not on a farm	Crushing and emptying waste vehicle oil filters
G	281m NW	-	WEX367140	Treating waste exemption	Not on a farm	Treatment of waste aerosol cans
G	281m NW	-	WEX367140	Treating waste exemption	Not on a farm	Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling
G	281m NW	-	WEX367140	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
G	281m NW	-	WEX367140	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	281m NW	-	WEX367140	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	281m NW	-	WEX367140	Storing waste exemption	Not on a farm	Storage of sludge



ID	Location	Site	Reference	Category	Sub-Category	Description
G	281m NW	-	WEX367140	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
H	283m W	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
G	285m NW	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
G	285m NW	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
G	285m NW	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
G	285m NW	Phoenix house Stockpit Road Liverpool Knowsley L33 7TQ	EPR/SF0507E M/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of textiles
G	285m NW	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)
G	285m NW	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
G	285m NW	Phoenix house Stockpit Road Liverpool Knowsley L33 7TQ	EPR/SF0507E M/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
G	285m NW	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
G	285m NW	Phoenix house Stockpit Road Liverpool Knowsley L33 7TQ	EPR/SF0507E M/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste



ID	Location	Site	Reference	Category	Sub-Category	Description
G	285m NW	Phoenix house Stockpit Road Liverpool Knowsley L33 7TQ	EPR/SF0507E M/A001	Treating waste exemption	Non-Agricultural Waste Only	Manual treatment of waste
G	285m NW	Phoenix house Stockpit Road Liverpool Knowsley L33 7TQ	EPR/SF0507E M/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
I	299m N	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
I	299m N	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
3	305m SE	-	WEX227278	Storing waste exemption	On a Farm	Storage of sludge
J	323m SW	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
J	323m SW	Kirkby Skips Ltd, kirkby bank road, liverpool, L33 7SY	WEX354808	Storing waste exemption	Not on a farm	Storage of waste in a secure place
K	361m N	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
K	361m N	UNIT 3, BRADMAN ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7UR	WEX087988	Treating waste exemption	Not on a farm	Recovery of scrap metal
K	361m N	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
L	364m N	KNOWSLEY DEPOT, ACORNFIELD ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7RN	WEX086093	Storing waste exemption	Not on a farm	Storage of waste in secure containers



ID	Location	Site	Reference	Category	Sub-Category	Description
L	364m N	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
L	364m N	KNOWSLEY DEPOT, ACORNFIELD ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7RN	WEX086093	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
L	364m N	KNOWSLEY DEPOT, ACORNFIELD ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7RN	WEX088251	Storing waste exemption	Not on a farm	Storage of waste in secure containers
L	364m N	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
L	364m N	KNOWSLEY DEPOT, ACORNFIELD ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7RN	WEX088251	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
L	364m N	KNOWSLEY DEPOT, ACORNFIELD ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7RN	WEX086093	Treating waste exemption	Not on a farm	Sorting mixed waste
L	364m N	KNOWSLEY DEPOT, ACORNFIELD ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7RN	WEX086093	Treating waste exemption	Not on a farm	Recovery of scrap metal
L	364m N	KNOWSLEY DEPOT, ACORNFIELD ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7RN	WEX088251	Treating waste exemption	Not on a farm	Sorting mixed waste
L	364m N	KNOWSLEY DEPOT, ACORNFIELD ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7RN	WEX088251	Treating waste exemption	Not on a farm	Recovery of scrap metal
L	364m N	Knowsley Depot Acornfield Road LIVERPOOL L33 7RN	EPR/TF0537EK /A001	Storing waste exemption	Non- Agricultura l Waste Only	Storage of waste in secure containers



ID	Location	Site	Reference	Category	Sub-Category	Description
L	364m N	Knowsley Depot Acornfield Road LIVERPOOL L33 7RN	EPR/TF0537EK /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
L	364m N	Knowsley Depot Acornfield Road LIVERPOOL L33 7RN	EPR/TF0537EK /A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
L	364m N	Knowsley Depot Acornfield Road LIVERPOOL L33 7RN	EPR/TF0537EK /A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste
L	364m N	Knowsley Depot Acornfield Road LIVERPOOL L33 7RN	EPR/TF0537EK /A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
M	383m SW	Kirkby Skips Ltd, Kirkby bank road, Liverpool, L33 7SY	WEX233884	Storing waste exemption	Not on a farm	Storage of waste in a secure place
M	383m SW	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
N	401m NW	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
O	401m W	3 THE PRIORY, SANDOWN ROAD, WAVERTREE, LIVERPOOL, L15 4JD	WEX391132	Using waste exemption	Not on a farm	Use of waste in construction
O	401m W	3 THE PRIORY, SANDOWN ROAD, WAVERTREE, LIVERPOOL, L15 4JD	WEX391132	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
O	401m W	3 THE PRIORY, SANDOWN ROAD, WAVERTREE, LIVERPOOL, L15 4JD	WEX391132	Treating waste exemption	Not on a farm	Recovery of textiles
O	401m W	3 THE PRIORY, SANDOWN ROAD, WAVERTREE, LIVERPOOL, L15 4JD	WEX391132	Treating waste exemption	Not on a farm	Recovery of scrap metal
O	401m W	3 THE PRIORY, SANDOWN ROAD, WAVERTREE, LIVERPOOL, L15 4JD	WEX391132	Treating waste exemption	Not on a farm	Sorting mixed waste



ID	Location	Site	Reference	Category	Sub-Category	Description
O	401m W	3 THE PRIORY, SANDOWN ROAD, WAVERTREE, LIVERPOOL, L15 4JD	WEX391132	Treating waste exemption	Not on a farm	Manual treatment of waste
O	401m W	3 THE PRIORY, SANDOWN ROAD, WAVERTREE, LIVERPOOL, L15 4JD	WEX391132	Disposing of waste exemption	Not on a farm	Burning waste in the open
O	401m W	3 THE PRIORY, SANDOWN ROAD, WAVERTREE, LIVERPOOL, L15 4JD	WEX391132	Storing waste exemption	Not on a farm	Storage of waste in secure containers
O	401m W	3 THE PRIORY, SANDOWN ROAD, WAVERTREE, LIVERPOOL, L15 4JD	WEX391132	Storing waste exemption	Not on a farm	Storage of waste in a secure place
N	423m NW	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
N	423m NW	Able Clearance Recycling, Ashcroft Road, Knowlsey Industrial Estate, Kirkby, L337TW	WEX082476	Treating waste exemption	Not on a farm	Sorting mixed waste
N	423m NW	Able Clearance Recycling, Ashcroft Road, Knowlsey Industrial Estate, Kirkby, L337TW	WEX082476	Treating waste exemption	Not on a farm	Manual treatment of waste
N	423m NW	Able Clearance Recycling, Ashcroft Road, Knowlsey Industrial Estate, Kirkby, L337TW	WEX082476	Treating waste exemption	Not on a farm	Recovery of scrap metal
N	424m NW	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
7	440m W	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	463m NW	Unit 1 Bradman House, Bradman Road, Kirkby Industrial Estate, Merseyside, L33 7UR	WEX125264	Treating waste exemption	Not on a farm	Sorting mixed waste

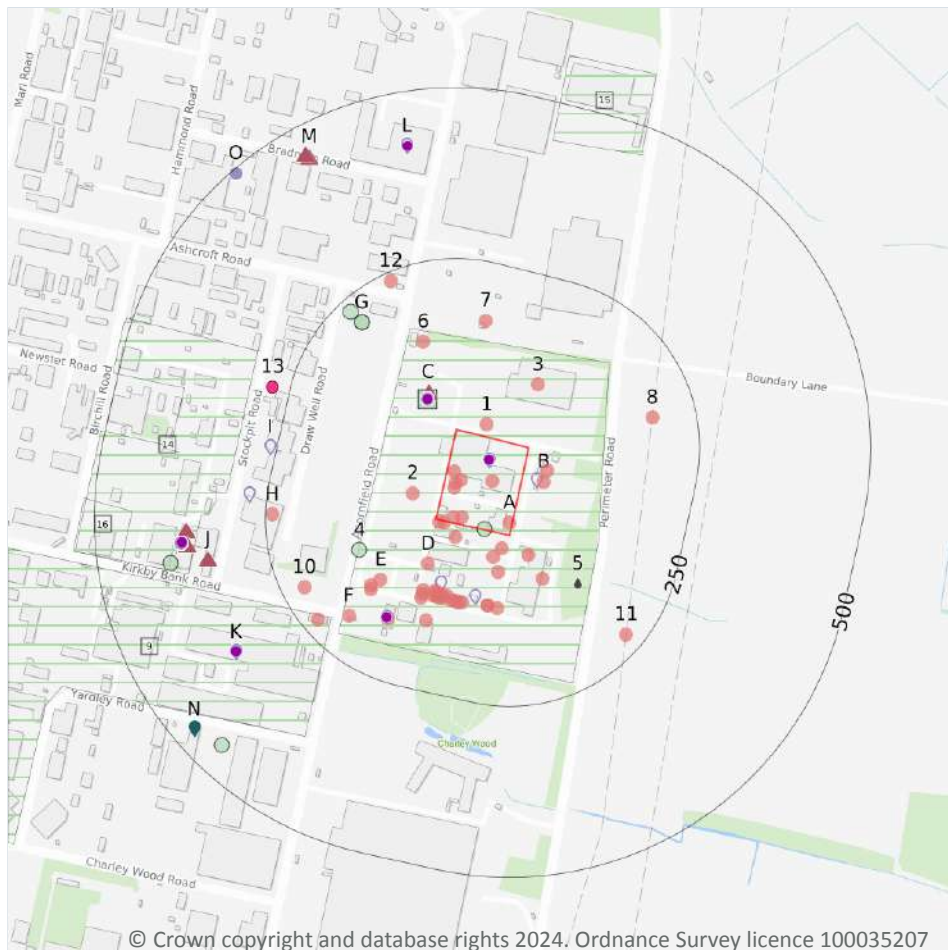


ID	Location	Site	Reference	Category	Sub-Category	Description
Q	464m NW	Unit 1 Bradman House Bradman Road kirkby Merseyside L33 7UR	EPR/MF0807X Q/A001	Treating waste exemption	Non- Agricultura l Waste Only	Sorting mixed waste
Q	467m NW	Unit 1, Bradman Road, Kirkby Industrial Estate, Knowsley, L33 7UR	WEX287646	Treating waste exemption	Not on a farm	Sorting mixed waste
R	474m SW	KIRKBY BANK ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7SY	WEX351558	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
R	474m SW	KIRKBY BANK ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7SY	WEX226087	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
R	474m 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
R	474m 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
R	474m SW	KIRKBY BANK ROAD, KNOWSLEY INDUSTRIAL PARK, LIVERPOOL, L33 7SY	WEX079821	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
S	492m NW	-	WEX299537	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
S	492m NW	-	WEX299537	Disposing of waste exemption	Not on a Farm	Burning waste in the open
S	492m NW	-	WEX299537	Treating waste exemption	Not on a Farm	Recovery of scrap metal
S	492m NW	-	WEX299537	Treating waste exemption	Not on a Farm	Sorting mixed waste

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

55

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 53](#) >

ID	Location	Company	Address	Activity	Category
A	On site	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
A	On site	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
A	On site	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
A	On site	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
A	On site	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
A	On site	Surface Transforms	Surface Transforms Image Business Park, Acornfield Road, Kirkby, Merseyside, L33 7UF	Vehicle Components	Industrial Products
A	On site	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
A	On site	Image Business Park	Merseyside, L33	Business Parks and Industrial Estates	Industrial Features
A	2m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
A	3m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
1	18m N	Electricity Sub Stations	Merseyside, L33	Electrical Features	Infrastructure and Facilities
A	19m SW	Cooling Tower	Merseyside, L33	Chimneys	Industrial Features
A	21m S	Cooling Tower	Merseyside, L33	Chimneys	Industrial Features
B	32m E	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
B	34m E	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
A	36m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
A	40m SE	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
2	42m W	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
A	56m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	67m SW	Cooling Tower	Merseyside, L33	Chimneys	Industrial Features
A	79m SE	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
3	93m NE	Factory	Merseyside, L33	Unspecified Works Or Factories	Industrial Features
D	103m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	104m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	105m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	105m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	106m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	107m S	Silo	Merseyside, L33	Hoppers and Silos	Farming
D	107m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	107m S	Tanks	Merseyside, L33	Tanks (Generic)	Industrial Features
D	110m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	110m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	111m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	111m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	111m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	111m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	111m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	112m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	112m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
D	112m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
D	117m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
E	120m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
E	137m SW	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
6	137m NW	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
E	140m SW	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
D	148m S	Tank	Merseyside, L33	Tanks (Generic)	Industrial Features
E	161m SW	Ames Goldsmith UK Ltd	Image Business Park, Acornfield Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7UF	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
7	165m N	Pumping Station	Merseyside, L33	Water Pumping Stations	Industrial Features
8	186m E	Pylon	Merseyside, L33	Electrical Features	Infrastructure and Facilities
F	191m SW	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
10	217m SW	Mersey Pallet Co	-, Kirkby Bank Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7SY	Packaging	Industrial Products
11	224m SE	Pylon	Merseyside, L33	Electrical Features	Infrastructure and Facilities
F	227m SW	Merseyside Scaffolding Company Ltd	Haven House Kirkby Bank Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7SY	Construction and Tool Hire	Hire Services
12	237m NW	Electricity Sub Station	Merseyside, L33	Electrical Features	Infrastructure and Facilities
H	240m W	Brazilian Joinery Ltd	Brazilian Joinery 9-10, Draw Well Road, Knowsley Industrial Park, Kirkby, Merseyside, L33 7BJ	General Construction Supplies	Industrial Products

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**5**

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 53 >](#)

ID	Location	Company	Address	Operational status	Tier
A	On site	Kodak Ltd	Kodak Ltd, Acornfield Road, Kirkby, L33 7UF	Historical NIHHS Site	-



ID	Location	Company	Address	Operational status	Tier
9	211m SW	Mersey Gas	Mersey Gas, Orchard Works, Webber Road, Knowsley Industrial Park North, Liverpool, LS33 7SW	Historical NIHHS Site	-
14	307m W	Baker Hughes Limited	Baker Hughes Limited, Liverpool, Knowsley Industrial Park, Kirkby Bank Road, Liverpool, Merseyside, L33 7SY	Current COMAH Site	COMAH Lower Tier Operator
15	445m N	P K Marine Freight Services Ltd	P K Marine Freight Services Ltd, Perimeter Road, Knowsley Industrial Park, Liverpool, L33 3AY	Historical NIHHS Site	-
16	445m W	Petrolite Ltd	Petrolite Ltd, Birchill Road, Kirkby Industrial Estate, Kirkby, Liverpool	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0
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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	9
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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 53 >](#)

ID	Location	Details	
C	68m NW	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

ID	Location	Details	
J	339m W	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
J	366m W	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
J	367m W	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
J	367m W	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
J	367m W	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
J	367m W	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
M	452m NW	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
M	458m NW	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

This data is sourced from Local Authority records.



4.9 Historical licensed industrial activities (IPC)

Records within 500m

34

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 53](#) >

ID	Location	Details	
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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



ID	Location	Details	
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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

ID	Location	Details	
C	61m NW	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
C	61m NW	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
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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



ID	Location	Details	
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
O	494m NW	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
O	494m NW	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
O	494m NW	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



ID	Location	Details	
O	494m NW	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
O	494m NW	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
O	494m NW	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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

172

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 53 >](#)

ID	Location	Details	
A	On site	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: 23/11/2023 Status: Effective
A	On site	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: 23/11/2023 Status: Effective



ID	Location	Details	
A	On site	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: 23/11/2023 Status: Effective
A	On site	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: 23/11/2023 Status: Effective
B	21m 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
C	61m NW	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: 05/06/2023 Effective Date: 26/10/2015 Last date noted as effective: 23/11/2023 Status: Effective
C	61m NW	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: 05/06/2023 Effective Date: 26/10/2015 Last date noted as effective: 23/11/2023 Status: Effective
C	61m NW	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: 05/06/2023 Effective Date: 26/10/2015 Last date noted as effective: 23/11/2023 Status: Effective



ID	Location	Details	
C	61m NW	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: 05/06/2023 Effective Date: 26/10/2015 Last date noted as effective: 23/11/2023 Status: Effective
C	61m NW	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: 05/06/2023 Effective Date: 26/10/2015 Last date noted as effective: 23/11/2023 Status: Effective
C	61m NW	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: 05/06/2023 Effective Date: 26/10/2015 Last date noted as effective: 23/11/2023 Status: Effective
C	61m NW	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: 05/06/2023 Effective Date: 26/10/2015 Last date noted as effective: 23/11/2023 Status: Effective
C	61m NW	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: 05/06/2023 Effective Date: 26/10/2015 Last date noted as effective: 23/11/2023 Status: Effective



ID	Location	Details	
C	61m NW	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: 05/06/2023 Effective Date: 26/10/2015 Last date noted as effective: 23/11/2023 Status: Effective
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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



ID	Location	Details	
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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



ID	Location	Details	
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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



ID	Location	Details	
C	61m NW	Operator: Future Industrial Services Limited Installation Name: Acornfield Road Waste Management Centre 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: 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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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



ID	Location	Details	
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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



ID	Location	Details	
C	61m NW	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: 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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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



ID	Location	Details	
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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
C	61m NW	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



ID	Location	Details	
D	90m S	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: 23/11/2023 Status: Superseded
D	90m S	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: 23/11/2023 Status: Superseded
D	90m S	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: 23/11/2023 Status: Superseded
D	90m S	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: 23/11/2023 Status: Effective
D	90m S	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	
D	90m S	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
D	90m S	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
D	99m S	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
E	161m SW	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: 23/11/2023 Status: Effective
E	161m SW	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
E	161m SW	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



ID	Location	Details	
I	260m W	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: 23/11/2023 Status: Effective
I	260m W	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: 23/11/2023 Status: Effective
I	260m W	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: 22/11/2016 Effective Date: 22/11/2016 Last date noted as effective: 23/11/2023 Status: Effective
I	260m W	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: 23/11/2023 Status: Effective
I	260m W	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: 23/11/2023 Status: Superseded



ID	Location	Details	
I	260m W	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: 23/11/2023 Status: Superseded
I	260m W	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: 23/11/2023 Status: Superseded
I	260m W	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: 23/11/2023 Status: Superseded
I	260m W	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
I	260m W	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	
I	260m W	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
I	260m W	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
I	260m W	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
I	260m W	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	
I	260m W	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
I	260m W	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
I	260m W	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
I	260m W	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
I	260m W	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



ID	Location	Details	
I	260m W	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
I	260m W	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
I	260m W	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
I	260m W	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
I	260m W	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	
I	260m W	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
I	260m W	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
H	275m W	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: 23/11/2023 Status: Superseded
H	275m W	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
H	275m W	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
H	275m W	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	
H	275m W	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
H	275m W	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
K	351m SW	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: 23/11/2023 Status: Superseded
K	351m SW	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: 23/11/2023 Status: Superseded
K	351m SW	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: 23/11/2023 Status: Superseded
K	351m SW	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: 23/11/2023 Status: Superseded
K	351m SW	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: 23/11/2023 Status: Effective



ID	Location	Details	
K	351m SW	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: 23/11/2023 Status: Effective
K	351m SW	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: 23/11/2023 Status: Effective
K	351m SW	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: 23/11/2023 Status: Effective
K	351m SW	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: 23/11/2023 Status: Effective
K	351m SW	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	
K	351m SW	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
K	351m SW	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
K	351m SW	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
K	351m SW	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
K	351m SW	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
K	351m SW	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	
K	351m SW	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
K	351m SW	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
K	351m SW	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
K	351m SW	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
K	351m SW	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



ID	Location	Details	
K	351m SW	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
K	351m SW	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
K	351m SW	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
K	351m SW	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
K	351m SW	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
K	351m SW	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

ID	Location	Details	
J	374m W	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: 21/06/2023 Effective Date: 21/06/2023 Last date noted as effective: 23/11/2023 Status: Effective
J	374m W	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: 21/06/2023 Effective Date: 21/06/2023 Last date noted as effective: 23/11/2023 Status: Effective
J	374m W	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: 21/06/2023 Effective Date: 21/06/2023 Last date noted as effective: 23/11/2023 Status: Effective
J	374m W	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: 21/06/2023 Effective Date: 21/06/2023 Last date noted as effective: 23/11/2023 Status: Effective
J	374m W	Operator: QUALITECH ENVIRONMENTAL SERVICES LIMITED Installation Name: Baker Petrolite, Kirkby EPR/BU4589IZ Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL Permit Number: BU4589IZ Original Permit Number: BU4589IZ	EPR Reference: EPR/BU4589IZ Issue Date: 21/06/2023 Effective Date: 21/06/2023 Last date noted as effective: 23/11/2023 Status: Effective



ID	Location	Details	
J	374m W	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: 21/06/2023 Effective Date: 21/06/2023 Last date noted as effective: 23/11/2023 Status: Effective
J	374m W	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: 21/06/2023 Effective Date: 21/06/2023 Last date noted as effective: 23/11/2023 Status: Effective
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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



ID	Location	Details	
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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: 28/09/2020 Status: EFFECTIVE
J	374m W	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



ID	Location	Details	
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	Operator: Baker Hughes Ltd Installation Name: BAKER PETROLITE, KIRKBY Process: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL 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



ID	Location	Details	
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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: 21/03/2023 Status: Effective
J	374m W	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
J	374m W	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



ID	Location	Details	
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
J	374m W	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
L	420m N	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



ID	Location	Details	
L	420m N	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
L	420m N	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
L	420m N	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
L	420m N	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
L	420m N	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
L	420m N	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



ID	Location	Details	
L	420m N	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
L	420m N	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
L	420m N	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
L	420m N	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
L	420m N	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

ID	Location	Details	
L	420m N	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
L	420m N	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
L	420m N	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

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

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

Records within 500m	1
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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 53 >](#)

ID	Location	Address	Details	
N	468m SW	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 53](#) >

ID	Location	Address	Details	
13	275m NW	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 53](#) >

ID	Location	Address	Details	
5	122m SE	NORTH PERIMETER ROAD KIRKBY, SIMONSWOOD, KIRKBY, 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 53](#) >

ID	Location	Name	Status	Receiving Water	Authorised Substances
C	61m NW	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**1**

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 53](#) >

ID	Location	Name	Status	Receiving Water	Authorised Substances
C	61m NW	Future Industrial Services Ltd, Acornfield Rd, L33 7uf	Active	None	Chromium, Copper, Lead, Nickel, Zinc

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m**7**

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 53](#) >



ID	Location	Details	
A	On site	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)
4	120m SW	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)
G	208m NW	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	208m NW	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	231m NW	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)
J	393m W	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)
N	455m SW	Incident Date: 07/08/2003 Incident Identification: 180013 Pollutant: Specific Waste Materials:Specific Waste Materials Pollutant Description: Commercial Waste:Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m

7

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 53 >](#)



ID: A, Location: On site, 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	Particulate matter - total	10000kg	Below Reporting Threshold
Air	Benzo(b)fluoranthene	1kg	Below Reporting Threshold
Air	Hydrogen cyanide	100kg	Below Reporting Threshold
Air	Ammonia	1000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Benzene	1000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
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

ID: A, Location: On site, 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	Methane	10000kg	72192.3kg

ID: C, Location: 61m NW, 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 Hazardous Waste, Sub-sector: Hazardous Waste
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
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	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
Wastewater	Hexabromocyclododecane	0.1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
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
Wastewater	Mirex	0.1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Pentachlorobenzene	0.1kg	Below Reporting Threshold
Wastewater	Perfluoro octanyl sulphate (PFOS)	0.1kg	Below Reporting Threshold
Wastewater	Tetrachloroethylene (PER)	1kg	Below Reporting Threshold
Wastewater	Toxaphene	0.1kg	Below Reporting Threshold
Wastewater	Trichloroethylene	1kg	Below Reporting Threshold
Wastewater	Vinyl chloride	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	Ammonia	1000kg	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



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Chromium	10kg	Below Reporting Threshold
Air	Copper	10kg	Below Reporting Threshold
Air	Lead	100kg	Below Reporting Threshold
Air	Mercury	1kg	Below Reporting Threshold
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



Route	Substance	Reporting threshold (kg)	Quantity (kg)
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
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	Particulate matter - PM10	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	Simazine	0.01kg	Below Reporting Threshold
Wastewater	Tributyltin and compounds - as TBT	0.005kg	Below Reporting Threshold
Wastewater	Trifluralin	0.001kg	Below Reporting Threshold
Wastewater	Benzene	10kg	Below Reporting Threshold
Wastewater	Carbon tetrachloride (Tetrachloromethane)	1kg	Below Reporting Threshold
Wastewater	Chloroform (Trichloromethane)	5kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Ethylene dichloride (1,2-Dichloroethane)	10kg	Below Reporting Threshold
Wastewater	Toluene	10kg	Below Reporting Threshold
Wastewater	Trichlorobenzene - all isomers	0.01kg	Below Reporting Threshold
Wastewater	Xylene - all isomers	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
Air	Pentachlorobenzene	1kg	Below Reporting Threshold

ID: E, Location: 162m SW, 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	Nickel	20kg	Below Reporting Threshold
Wastewater	Zinc	100kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	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



ID: E, Location: 162m SW, 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	Nitrogen - as total N	50000kg	102750kg

ID: K, Location: 352m SW, 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: Hazardous Waste, Sub-sector: Hazardous Waste
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Mercury	0.1kg	Below Reporting Threshold
Wastewater	Dichloromethane (DCM) (Methylene chloride)	10kg	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
Air	Ammonia	1000kg	Below Reporting Threshold
Wastewater	Nickel	20kg	Below Reporting Threshold
Wastewater	Arsenic	5kg	Below Reporting Threshold
Wastewater	Cadmium	1kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
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: J, Location: 375m W, Permit: BU4589IZ
Operator: Baker Hughes Limited
Activity: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYLs
Address: Baker Petrolite, Kirkby Kirkby Bank Road Merseyside L33 7SY
Sector: Chemicals, Sub-sector: Chemicals
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Particulate matter - total	10000kg	Below Reporting Threshold
Air	Carbon dioxide	10000000kg	Below Reporting Threshold
Air	Ammonia	1000kg	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
Air	Ethylene oxide (1,2 Epoxyethane)	1000kg	Below Reporting Threshold
Air	Naphthalene	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

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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 53 >](#)

ID: A, Location: On site, 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
D1	Deposit into or onto land (eg landfill, etc.)	-	brt	16 03 06	organic wastes other than those mentioned in 16 03 05	No
R1	Use principally as a fuel or other means to generate energy	11.4	absolute value	20 03 01	mixed municipal waste	No
D1	Deposit into or onto land (eg landfill, etc.)	10.27	absolute value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	1.58	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	4.45	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	4.2	absolute value	13 02 06	synthetic engine, gear and lubricating oils	Yes

ID: C, Location: 61m NW, 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: Hazardous Waste, 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)	11	absolute value	02 03 05	sludges from on-site effluent treatment	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.3	absolute value	04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	18.4	absolute value	06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.4	absolute value	07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11	No
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	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)	0.62	absolute value	08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	8.55	absolute value	08 02 02	aqueous sludges containing ceramic materials	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)	33.94	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.)	8.7	absolute value	07 02 13	waste plastic	No
D1	Deposit into or onto land (eg landfill, etc.)	6.14	absolute value	08 03 13	waste ink other than those mentioned in 08 03 12	No
D1	Deposit into or onto land (eg landfill, etc.)	9.2	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.)	0.25	absolute value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
D1	Deposit into or onto land (eg landfill, etc.)	101.52	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.)	3	absolute value	19 02 03	premixed wastes composed only of non-hazardous wastes	No
D1	Deposit into or onto land (eg landfill, etc.)	6.21	absolute value	19 09 04	spent activated carbon	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	3.4	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)	17.51	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)	2.82	absolute value	08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2.7	absolute value	15 01 06	mixed packaging	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)	7.05	absolute value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	9.35	absolute value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	61.05	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)	3.25	absolute value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	32.5	absolute value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.5	absolute value	20 01 25	edible oil and fat	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)	0.21	absolute value	04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16	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	absolute value	08 03 07	aqueous sludges containing ink	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)	22.1	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)	69.26	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)	4	absolute value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	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)	5.24	absolute value	19 12 03	non-ferrous metal	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 25	edible oil and fat	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)	0.01	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)	91.9	absolute value	20 01 40	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)	2	absolute value	20 02 01	biodegradable 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)	6.93	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)	0.6	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)	2973.92	absolute value	19 02 05	sludges from physico/chemical treatment 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.)	4.4	absolute value	16 08 02	spent catalysts containing dangerous transition metals (3) or dangerous transition metal compounds	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.)	18.62	absolute value	08 01 15	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances	Yes
D14	Repackaging prior to submission to any of the operations numbered D1 to D13	2	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)	0.6	absolute value	04 02 16	dyestuffs and pigments 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)	13.4	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)	0.03	absolute value	06 01 03	hydrofluoric 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)	52.28	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)	59.04	absolute value	06 01 06	other 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)	4	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)	1	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)	23.33	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)	1	absolute value	06 02 05	other bases	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.8	absolute value	06 03 13	solid salts and solutions containing heavy metals	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)	0.62	absolute value	06 04 05	wastes containing other heavy metals	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.2	absolute value	06 09 03	calcium-based reaction wastes containing or contaminated with 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)	1	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)	6.6	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)	0.76	absolute value	08 05 01	waste isocyanates	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	10.9	absolute value	10 01 14	bottom ash, slag and boiler dust from co-incineration containing dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	1.5	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)	101.86	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)	28.94	absolute value	11 01 06	acids not otherwise specified	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)	0.4	absolute value	11 02 02	sludges from zinc hydrometallurgy (including jarosite, goethite)	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.43	absolute value	11 02 07	other 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)	1.32	absolute value	12 01 20	spent grinding bodies and grinding materials 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)	1	absolute value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.4	absolute value	07 05 13	solid 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)	0.36	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)	31.75	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)	2.31	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	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)	1.49	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)	9.11	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)	1.92	absolute value	16 05 04	gases in pressure containers (including halons) 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)	3.51	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)	0.24	absolute value	16 05 07	discarded inorganic chemicals consisting of or 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)	0.03	absolute value	16 05 08	discarded organic chemicals consisting of or 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)	1	absolute value	16 07 09	wastes containing 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)	0.03	absolute value	16 09 03	peroxides, for example hydrogen peroxide	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)	1.12	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)	0.8	absolute value	17 05 03	soil and stones 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)	10	absolute value	19 01 07	solid wastes from gas treatment	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	12.9	absolute value	19 01 15	boiler dust 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)	0.2	absolute value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.96	absolute value	20 01 29	detergents 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)	0.1	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
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)	0.03	absolute value	03 02 04	inorganic wood preservatives	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)	0.8	absolute value	04 02 16	dyestuffs and pigments 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)	0.2	absolute value	06 02 04	sodium and potassium hydroxide	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)	7	absolute value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	228.81	absolute value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	8.48	absolute value	08 01 15	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances	Yes
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	0.44	absolute value	08 01 17	wastes from paint or varnish removal 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)	1	absolute value	08 01 21	waste paint or varnish remover	Yes
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	18.77	absolute value	08 03 12	waste ink 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)	6	absolute value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	191.05	absolute value	08 04 09	waste adhesives and sealants containing organic solvents or other 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)	1	absolute value	08 04 11	adhesive and sealant sludges containing organic solvents or other dangerous substances	Yes
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	43.1	absolute value	08 04 11	adhesive and sealant sludges containing organic solvents or other dangerous substances	Yes
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	2.64	absolute value	10 02 11	wastes from cooling-water treatment 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)	0.45	absolute value	11 01 11	aqueous rinsing liquids containing dangerous substances	Yes
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	29.95	absolute value	12 01 07	mineral-based machining oils free of halogens (except emulsions and solutions)	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)	10.71	absolute value	12 01 12	spent waxes and fats	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)	7	absolute value	12 01 14	machining sludges 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 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)	1.8	absolute value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	56.44	absolute value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	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)	1.6	absolute value	13 02 07	readily biodegradable engine, gear and lubricating oils	Yes
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	6.47	absolute value	13 02 08	other engine, gear and lubricating oils	Yes
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	0.5	absolute value	13 03 07	mineral-based non-chlorinated insulating and heat transmission oils	Yes
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	17.2	absolute value	13 05 02	sludges from oil/water separators	Yes
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	1.3	absolute value	13 05 03	interceptor sludges	Yes
R9	Oil e-refining or other reuses of oil	17.26	absolute value	13 05 07	oily water from oil/water separators	Yes
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	6.14	absolute value	13 05 08	mixtures of wastes from grit chambers and 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)	3.4	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)	1.61	absolute value	13 07 02	petrol	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)	2.6	absolute value	13 07 03	other fuels (including mixtures)	Yes
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	24.6	absolute value	13 07 03	other fuels (including 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)	1.18	absolute value	14 06 02	other halogenated solvents and solvent mixtures	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)	14.52	absolute value	14 06 03	other solvents and solvent mixtures	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)	47.62	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	74.34	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	2.24	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)	32.7	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	277.36	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)	0.3	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)	3.08	absolute value	16 03 03	inorganic wastes 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)	58.84	absolute value	16 03 05	organic wastes containing dangerous substances	Yes
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	81.79	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)	0.15	absolute value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	4	absolute value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	4.4	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)	0.45	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)	0.99	absolute value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	0.18	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)	6.42	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)	2	absolute value	16 07 09	wastes containing other 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)	0.06	absolute value	16 09 03	peroxides, for example hydrogen peroxide	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	17 05 03	soil and stones 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)	17.6	absolute value	19 02 04	premixed wastes composed of at least one hazardous waste	Yes
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	36.47	absolute value	19 02 04	premixed wastes composed of at least one hazardous waste	Yes
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	118.84	absolute value	19 02 05	sludges from physico/chemical 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)	65	absolute value	19 02 07	oil and concentrates from separation	Yes
R9	Oil e-refining or other reuses of oil	63.2	absolute value	19 02 07	oil and concentrates from separation	Yes
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	13.39	absolute value	19 02 11	other 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)	1.86	absolute value	20 01 13	solvents	Yes
R4	Recycling/reclamation of metals and metal compounds	0.54	absolute value	20 01 21	fluorescent tubes and other mercury-containing waste	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)	0.6	absolute value	20 01 23	discarded equipment containing chlorofluorocarbons	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	absolute value	20 01 29	detergents containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	0.03	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)	6.06	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
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	130.32	absolute value	08 01 13	sludges from paint or 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)	4	absolute value	07 03 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)	8.04	absolute value	07 05 01	aqueous 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)	1.01	absolute value	07 05 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)	14.96	absolute value	07 05 04	other organic solvents, washing liquids and mother liquors	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)	0.2	absolute value	07 06 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)	0.2	absolute value	07 07 04	other organic solvents, washing liquids and mother liquors	Yes

ID: E, Location: 162m SW, 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	-	brt	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	-	brt	20 01 01	paper and cardboard	No
D1	Deposit into or onto land (eg landfill, etc.)	-	brt	20 03 01	mixed municipal waste	No

ID: K, Location: 352m SW, 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: Hazardous Waste, Sub-sector: Hazardous Waste
 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	7	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)	0.005	absolute value	16 01 03	end-of-life tyres	No
R4	Recycling/reclamation of metals and metal compounds	4.045	absolute value	16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	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.)	27.71	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)	81.818	absolute value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
R5	Recycling/reclamation of other inorganic materials	2.5	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)	31.076	absolute value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	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)	15.9	absolute value	02 03 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.)	3	absolute value	02 03 04	materials unsuitable for consumption or processing	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)	56.5	absolute value	02 03 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.)	4	absolute value	02 07 04	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)	30.48	absolute value	02 07 04	materials unsuitable for consumption or processing	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)	7	absolute value	06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13	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.)	11.28	absolute value	06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 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 numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	2.4	absolute value	20 01 30	detergents other than those mentioned in 20 01 29	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.)	6.2	absolute value	07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 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.)	0.5	absolute value	07 02 13	waste plastic	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)	0.2	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.)	5.58	absolute value	07 02 15	wastes from additives other than those mentioned in 07 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.)	0.8	absolute value	07 02 17	waste containing silicones other than those mentioned in 07 02 16	No
R5	Recycling/reclamation of other inorganic materials	5.704	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	9.004	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



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	10	absolute value	20 01 40	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)	106	absolute value	20 03 01	mixed municipal waste	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	07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 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.)	92	absolute value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	60.8	absolute value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	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)	23.4	absolute value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	4	absolute value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	No
R5	Recycling/reclamation of other inorganic materials	1	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
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	08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	13	absolute value	08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15	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)	0.3	absolute value	08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15	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.)	1.6	absolute value	08 02 01	waste coating powders	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)	0.4	absolute value	08 02 01	waste coating powders	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.)	1.9	absolute value	08 03 08	aqueous liquid waste containing ink	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 numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	35.545	absolute value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.003	absolute value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	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)	13.1	absolute value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	No
R1	Use principally as a fuel or other means to generate energy	7	absolute value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	No
R5	Recycling/reclamation of other inorganic materials	0.5	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 numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	23.4	absolute value	08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 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 numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	8.7	absolute value	10 03 05	waste alumina	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.)	32.5	absolute value	10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10	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)	22	absolute value	10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10	No
R5	Recycling/reclamation of other inorganic materials	0.6	absolute value	12 01 02	ferrous metal dust and particles	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.)	1	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)	1298	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)	413	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)	273.864	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)	91.2	absolute value	15 01 04	metallic packaging	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	418	absolute value	15 01 04	metallic packaging	No
R1	Use principally as a fuel or other means to generate energy	7.5	absolute value	15 01 05	composite packaging	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	132	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)	472	absolute value	15 01 06	mixed packaging	No
R4	Recycling/reclamation of metals and metal compounds	184.126	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.)	1.2	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	45	absolute value	16 01 06	end-of-life vehicles, containing neither liquids nor other hazardous components	No
R5	Recycling/reclamation of other inorganic materials	10.624	absolute value	16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	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.)	19.16	absolute value	16 03 04	inorganic wastes other than those mentioned in 16 03 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)	36.2	absolute value	16 03 06	organic wastes other than those mentioned in 16 03 05	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)	0.01	absolute value	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	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)	0.002	absolute value	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	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.)	1.2	absolute value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	No
R5	Recycling/reclamation of other inorganic materials	0.3	absolute value	16 06 04	alkaline batteries (except 16 06 03)	No
R4	Recycling/reclamation of metals and metal compounds	3.43	absolute value	16 06 04	alkaline batteries (except 16 06 03)	No
D10	Incineration on Land	2.87	absolute value	16 06 05	other batteries and accumulators	No
R4	Recycling/reclamation of metals and metal compounds	0.12	absolute value	16 06 05	other batteries and accumulators	No
R1	Use principally as a fuel or other means to generate energy	0.045	absolute value	16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)	No
R8	Recovery of components from catalysts	0.046	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.)	46.6	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
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)	27	absolute value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
R5	Recycling/reclamation of other inorganic materials	4	absolute value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
R4	Recycling/reclamation of metals and metal compounds	0.33	absolute value	16 08 03	spent catalysts containing transition metals or transition metal compounds not otherwise specified	No
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	0.026	absolute value	17 01 01	concrete	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.)	0.8	absolute value	18 01 07	chemicals other than those mentioned in 18 01 06	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)	177	absolute value	18 01 09	medicines other than those mentioned in 18 01 08	No
R1	Use principally as a fuel or other means to generate energy	10	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)	15	absolute value	19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05	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)	7	absolute value	19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09	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	8	absolute value	19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09	No
R5	Recycling/reclamation of other inorganic materials	0.6	absolute value	19 09 05	saturated or spent ion exchange resins	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)	90.45	absolute value	19 12 10	combustible waste (refuse derived fuel)	No
R1	Use principally as a fuel or other means to generate energy	3967	absolute value	19 12 10	combustible waste (refuse derived fuel)	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.)	9	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
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)	672	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	78	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
R5	Recycling/reclamation of other inorganic materials	155	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)	49	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



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)	0.12	absolute value	20 01 08	biodegradable kitchen and canteen waste	No
R1	Use principally as a fuel or other means to generate energy	165.993	absolute value	14 06 03	other solvents and solvent mixtures	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)	65.6	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	109.318	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)	3.55	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D10	Incineration on Land	0.08	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	42.74	absolute value	16 03 03	inorganic 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)	41.6	absolute value	16 03 03	inorganic wastes 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.)	78.762	absolute value	16 03 03	inorganic wastes containing dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	672.51	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)	0.8	absolute value	16 03 05	organic 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.)	4.6	absolute value	16 03 05	organic 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.)	0.44	absolute value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
R4	Recycling/reclamation of metals and metal compounds	0.913	absolute value	16 06 01	lead batteries	Yes
R1	Use principally as a fuel or other means to generate energy	2.2	absolute value	16 10 01	aqueous liquid 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)	91.28	absolute value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological 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	30.4	absolute value	17 05 03	soil and stones containing dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	5.804	absolute value	18 01 08	cytotoxic and cytostatic medicines	Yes
R1	Use principally as a fuel or other means to generate energy	3.83	absolute value	18 02 07	cytotoxic and cytostatic medicines	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)	4.86	absolute value	18 02 07	cytotoxic and cytostatic medicines	Yes
R1	Use principally as a fuel or other means to generate energy	701.081	absolute value	19 02 04	premixed wastes composed of at least one hazardous waste	Yes
D10	Incineration on Land	22.08	absolute value	19 02 05	sludges from physico/chemical treatment containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	0.378	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)	1	absolute value	06 01 01	sulphuric acid and sulphurous 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.)	3.175	absolute value	06 01 02	hydrochloric acid	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)	0.4	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.)	1.06	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.)	15	absolute value	06 01 05	nitric acid and nitrous acid	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 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.)	2	absolute value	06 01 06	other 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.)	51.04	absolute value	06 02 01	calcium hydroxide	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.)	9	absolute value	06 02 04	sodium and potassium hydroxide	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	06 02 05	other bases	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.00166	absolute value	06 03 15	metallic oxides containing heavy metals	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.)	70.26	absolute value	06 05 02	sludges from on-site effluent treatment 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.)	2	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)	15.7	absolute value	07 01 04	other organic solvents, washing liquids and mother liquors	Yes
R2	Solvent reclamation/regeneration	36.1	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
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)	10.38	absolute value	07 01 01	aqueous washing liquids and mother liquors	Yes
R1	Use principally as a fuel or other means to generate energy	14.32	absolute value	07 01 01	aqueous 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)	18.42	absolute value	07 01 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R1	Use principally as a fuel or other means to generate energy	6.34	absolute value	07 01 03	organic halogenated solvents, washing liquids and mother liquors	Yes
D10	Incineration on Land	20	absolute value	07 01 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R2	Solvent reclamation/regeneration	7.67	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)	0.2	absolute value	07 01 07	halogenated still bottoms and reaction residues	Yes
R1	Use principally as a fuel or other means to generate energy	8.3	absolute value	07 01 07	halogenated still bottoms and reaction residues	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)	98.33	absolute value	07 01 08	other still bottoms and reaction residues	Yes
R1	Use principally as a fuel or other means to generate energy	213.88	absolute value	07 01 08	other still bottoms and reaction residues	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)	57.33	absolute value	07 01 09	halogenated filter cakes and spent absorbents	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	166.44	absolute value	07 01 09	halogenated filter cakes and spent absorbents	Yes
R2	Solvent reclamation/regeneration	20.78	absolute value	07 02 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)	20.66	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)	7.24	absolute value	07 02 08	other still bottoms and reaction residues	Yes
R2	Solvent reclamation/regeneration	11.32	absolute value	07 02 08	other still bottoms and reaction residues	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)	10.562	absolute value	07 03 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R2	Solvent reclamation/regeneration	22.12	absolute value	07 03 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R2	Solvent reclamation/regeneration	21.34	absolute value	07 03 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)	10.64	absolute value	07 04 03	organic halogenated solvents, washing liquids and mother liquors	Yes
D10	Incineration on Land	0.93	absolute value	07 04 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	20	absolute value	07 04 04	other organic solvents, washing liquids and mother liquors	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	0.18	absolute value	07 04 04	other organic 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 numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	20	absolute value	07 05 01	aqueous 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)	5.86	absolute value	07 05 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R2	Solvent reclamation/regeneration	125.068	absolute value	07 05 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R2	Solvent reclamation/regeneration	26.488	absolute value	07 05 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)	20.46	absolute value	07 05 07	halogenated 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 numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	0.25	absolute value	07 05 13	solid 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)	4.58	absolute value	07 05 13	solid wastes containing dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	97.007	absolute value	07 05 13	solid wastes 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.)	1	absolute value	07 06 01	aqueous 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.)	0.5	absolute value	20 01 29	detergents containing dangerous substances	Yes
D10	Incineration on Land	2.441	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
R5	Recycling/reclamation of other inorganic materials	0.004	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
R5	Recycling/reclamation of other inorganic materials	0.029	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	0.25	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
R2	Solvent reclamation/regeneration	14.82	absolute value	07 06 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)	15	absolute value	07 07 01	aqueous washing liquids and mother liquors	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	0.13	absolute value	07 07 01	aqueous washing liquids and mother liquors	Yes
D10	Incineration on Land	52	absolute value	07 07 03	organic halogenated solvents, washing liquids and mother liquors	Yes
R2	Solvent reclamation/regeneration	171	absolute value	07 07 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)	18.84	absolute value	07 07 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)	4	absolute value	07 07 07	halogenated still bottoms and reaction residues	Yes
R2	Solvent reclamation/regeneration	7.34	absolute value	07 07 08	other still bottoms and reaction residues	Yes
D1	Deposit into or onto land (eg landfill, etc.)	12.88	absolute value	07 07 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)	364.768	absolute value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	1007.33	absolute value	08 01 11	waste paint and varnish 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.)	0.4	absolute value	08 01 13	sludges from paint or varnish containing organic solvents or other 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)	19.84	absolute value	08 01 13	sludges from paint or varnish containing organic solvents or other dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	416.09	absolute value	08 01 13	sludges from paint or 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)	87.92	absolute value	08 01 15	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	101.48	absolute value	08 01 15	aqueous sludges containing paint or 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)	280.32	absolute value	08 01 17	wastes from paint or varnish removal containing organic solvents or other dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	357.88	absolute value	08 01 17	wastes from paint or varnish removal containing organic solvents or other dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	13	absolute value	08 01 19	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	330.26	absolute value	08 01 21	waste paint or varnish remover	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)	294.43	absolute value	08 01 21	waste paint or varnish remover	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)	343.1	absolute value	08 03 12	waste ink containing dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	288.83	absolute value	08 03 12	waste ink containing dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	8.55	absolute value	08 03 17	waste printing toner 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.)	92.8	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)	50.16	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	59.4	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)	1	absolute value	08 04 11	adhesive and sealant sludges 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)	13.66	absolute value	08 05 01	waste isocyanates	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	absolute value	08 05 01	waste isocyanates	Yes
R1	Use principally as a fuel or other means to generate energy	74.86	absolute value	08 05 01	waste isocyanates	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	1	absolute value	09 01 06	wastes containing silver from on-site treatment of photographic wastes	Yes
R8	Recovery of components from catalysts	16	absolute value	09 01 06	wastes containing silver from on-site treatment of photographic wastes	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	absolute value	10 11 15	solid wastes from flue-gas treatment 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.)	4	absolute value	11 01 05	pickling acids	Yes
D10	Incineration on Land	0.02	absolute value	11 01 09	sludges and filter cakes 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)	4	absolute value	11 01 11	aqueous rinsing liquids containing dangerous substances	Yes
D10	Incineration on Land	0.2	absolute value	12 01 10	synthetic machining oils	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.)	1.2	absolute value	12 01 18	metal sludge (grinding, honing and lapping sludge) containing oil	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.)	11.11	absolute value	12 01 20	spent grinding bodies and grinding materials containing dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	47.1	absolute value	13 05 02	sludges from oil/water separators	Yes
R1	Use principally as a fuel or other means to generate energy	0.004	absolute value	14 06 01	chlorofluorocarbons, HCFC, HFC	Yes
R4	Recycling/reclamation of metals and metal compounds	7.502	absolute value	14 06 01	chlorofluorocarbons, HCFC, HFC	Yes
R2	Solvent reclamation/regeneration	80.92	absolute value	14 06 02	other halogenated solvents and solvent mixtures	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	236.5	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	37.067	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	217.2	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	71	absolute value	16 01 07	oil filters	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)	69	absolute value	16 01 07	oil filters	Yes
R4	Recycling/reclamation of metals and metal compounds	119	absolute value	16 01 07	oil filters	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)	1	absolute value	16 01 21	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14	Yes
R5	Recycling/reclamation of other inorganic materials	0.002	absolute value	16 02 11	discarded equipment containing 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 numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	0.001	absolute value	16 02 12	discarded equipment containing free asbestos	Yes
R5	Recycling/reclamation of other inorganic materials	7	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	5.012	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	0.03	absolute value	16 02 15	hazardous components removed from discarded equipment	Yes
R5	Recycling/reclamation of other inorganic materials	55.5	absolute value	16 03 03	inorganic wastes containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	0.06	absolute value	16 03 03	inorganic wastes containing dangerous substances	Yes
D10	Incineration on Land	10.54	absolute value	16 03 05	organic wastes containing dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	44.925	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)	10.202	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
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.001	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)	9.63	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	6.75	absolute value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
D10	Incineration on Land	37.609	absolute value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
R5	Recycling/reclamation of other inorganic materials	0.4	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 numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	2	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)	5.27	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)	2	absolute value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	Yes
R5	Recycling/reclamation of other inorganic materials	0.09	absolute value	16 06 02	Ni-Cd batteries	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	0.69	absolute value	16 06 02	Ni-Cd batteries	Yes
R4	Recycling/reclamation of metals and metal compounds	0.03	absolute value	16 06 03	mercury-containing batteries	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	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 numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	0.18	absolute value	16 09 03	peroxides, for example hydrogen peroxide	Yes
D10	Incineration on Land	0.075	absolute value	16 09 03	peroxides, for example hydrogen peroxide	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.)	0.21	absolute value	17 06 01	insulation 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)	1.4	absolute value	17 06 01	insulation materials containing asbestos	Yes
R8	Recovery of components from catalysts	1.25	absolute value	18 01 10	amalgam waste from dental care	Yes
R4	Recycling/reclamation of metals and metal compounds	0.6	absolute value	18 01 10	amalgam waste from dental care	Yes
R1	Use principally as a fuel or other means to generate energy	2.4	absolute value	19 02 07	oil and concentrates from separation	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	211.7	absolute value	19 02 08	liquid combustible 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.)	25	absolute value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	194	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)	228.069	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	1188.54	absolute value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	Yes
D10	Incineration on Land	248	absolute value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	Yes
R5	Recycling/reclamation of other inorganic materials	0.5	absolute value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes
R4	Recycling/reclamation of metals and metal compounds	0.61	absolute value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes
R1	Use principally as a fuel or other means to generate energy	6.5	absolute value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	Yes



ID: J, Location: 375m W, Permit: BU4589IZ
 Operator: Baker Hughes Limited
 Activity: ORGANIC CHEMICALS; ORGANOMETALLIC COMPOUNDS EG LEAD ALKYL
 Address: Baker Petrolite, Kirkby 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
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)	1.1	absolute value	16 03 04	inorganic wastes other than those mentioned in 16 03 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)	1.9	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)	15	absolute value	17 02 01	wood	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	4.7	absolute value	17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.8	absolute value	17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	3.7	absolute value	20 01 01	paper and cardboard	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.8	absolute value	20 01 39	plastics	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)	7.1	absolute value	20 01 40	metals	No
R4	Recycling/reclamation of metals and metal compounds	24.9	absolute value	20 01 40	metals	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	32.5	absolute value	20 03 01	mixed municipal waste	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.)	1.6	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)	2.5	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R5	Recycling/reclamation of other inorganic materials	398.7	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)	16.7	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)	0.3	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by 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)	45.4	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by 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.)	0.9	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)	1.3	absolute value	16 03 03	inorganic 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)	1.6	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)	3.8	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)	43.7	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)	8	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



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.)	33116.6	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)	29.8	absolute value	07 01 01	aqueous washing liquids and mother liquors	Yes
D8	Biological 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	7695	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	25985.4	absolute value	07 01 01	aqueous 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.)	0.4	absolute value	07 01 04	other organic 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)	240.5	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)	2316.2	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
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)	565.8	absolute value	07 01 08	other still bottoms and reaction residues	Yes

ID: L, Location: 421m N, 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 Knowsley Industrial Park Merseyside L33 7UR
 Sector: Hazardous Waste, Sub-sector: Hazardous Waste
 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	9549.75	absolute value	19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1314.7	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)	1014.4	absolute value	18 01 09	medicines other than those mentioned in 18 01 08	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	7.619	absolute value	18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	8.798	absolute value	18 02 08	medicines other than those mentioned in 18 02 07	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)	21.821	absolute value	20 01 32	medicines other than those mentioned in 20 01 31	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	23.374	absolute value	20 01 99	other fractions not otherwise specified	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)	7.147	absolute value	18 01 10	amalgam waste from dental care	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)	1.715	absolute value	09 01 01	water-based developer and activator solutions	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)	0.041	absolute value	09 01 03	solvent-based developer solutions	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)	0.044	absolute value	09 01 04	fixer solutions	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	805.805	absolute value	18 01 03	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.78	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
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	120.17	absolute value	18 01 08	cytotoxic and cytostatic medicines	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	3.123	absolute value	18 02 02	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.037	absolute value	20 01 31	cytotoxic and cytostatic medicines	Yes

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

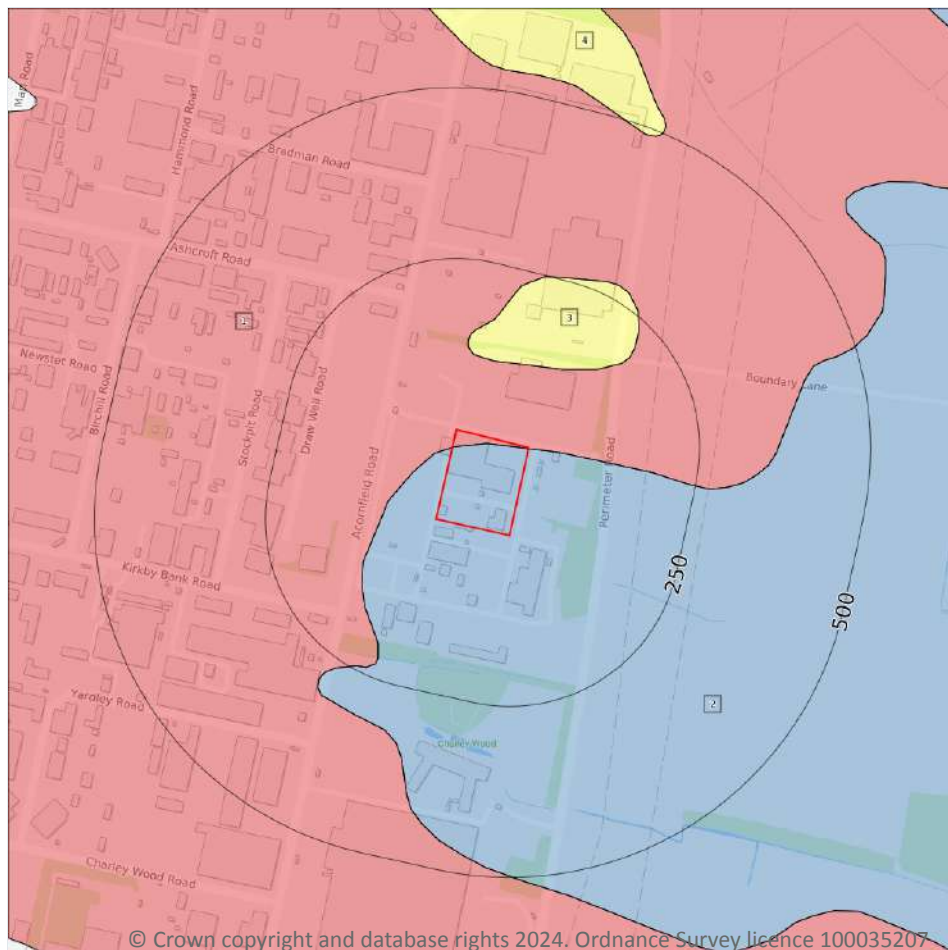
4.21 Pollution inventory radioactive waste

Records within 500m	0
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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

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 163](#) >

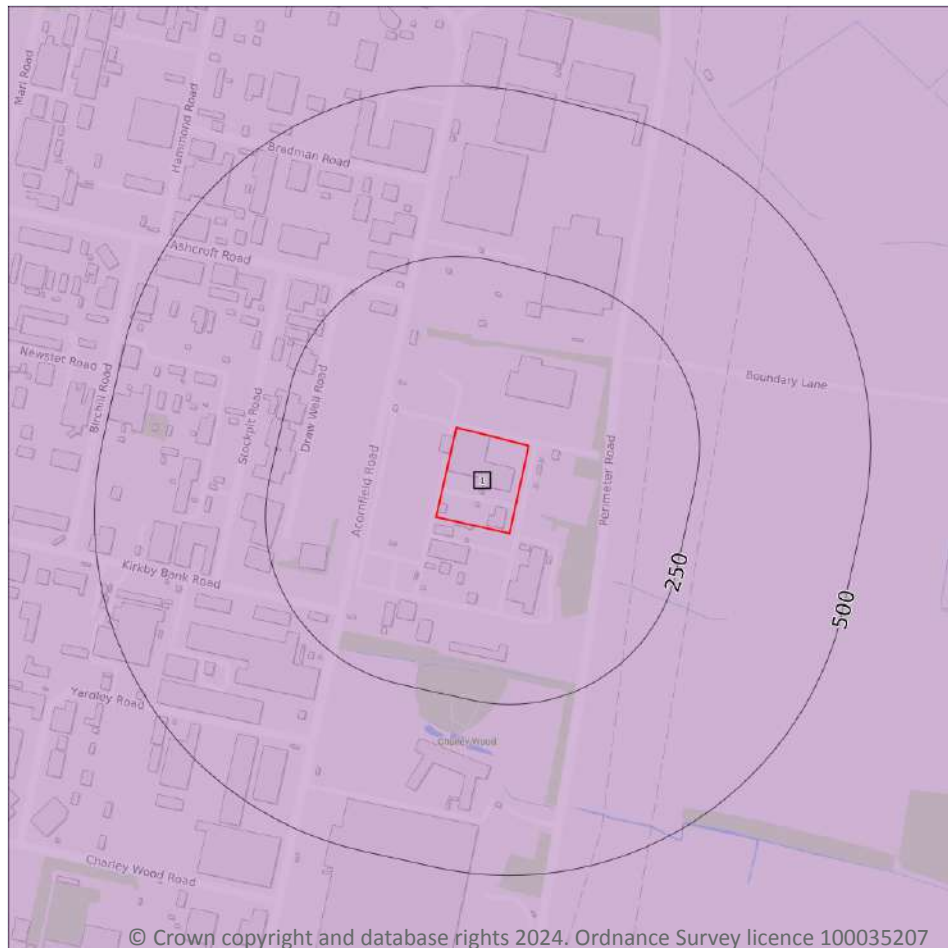
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	On site	Unproductive	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	111m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	489m NE	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.

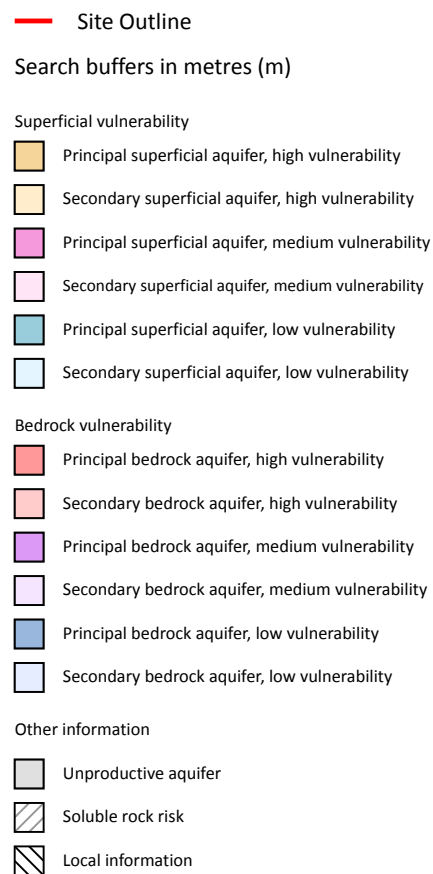
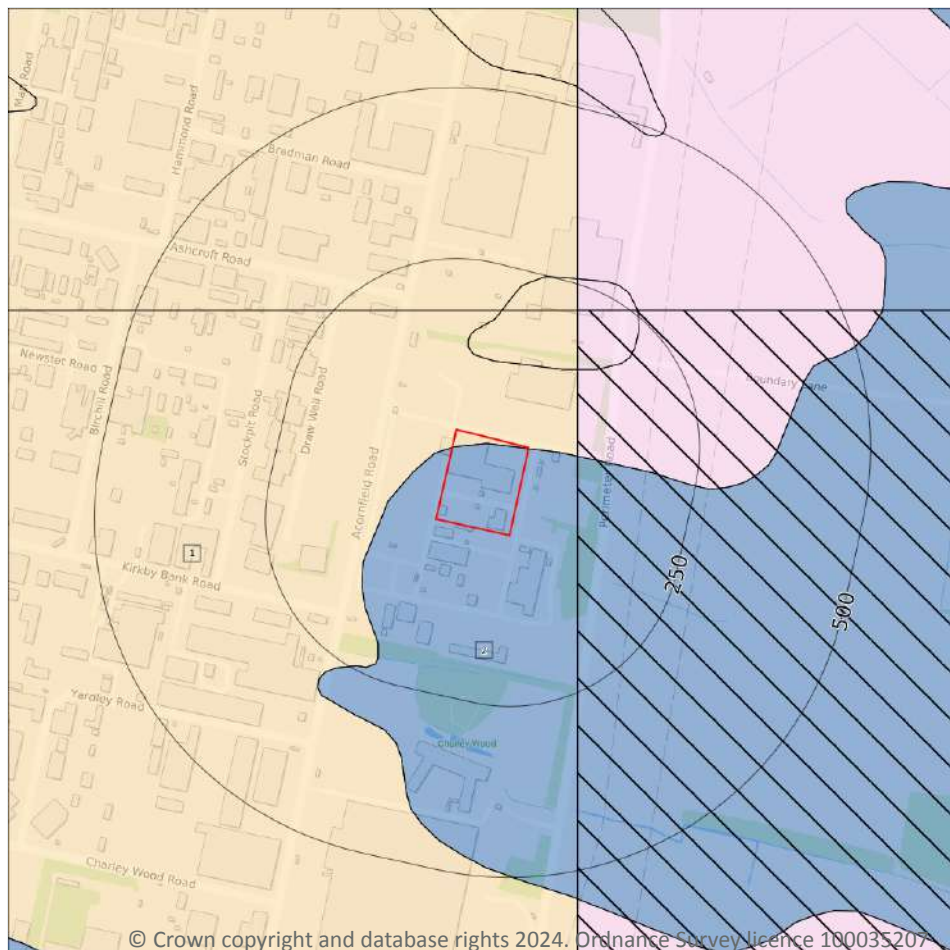
Features are displayed on the Bedrock aquifer map on [page 165](#) >

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

2

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 166](#) >

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
2	On site	Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive 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
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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
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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

33

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 168](#) >

ID	Location	Details	
A	16m NW	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	16m NW	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	188m N	Status: Historical Licence No: 2569031011 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT KIRKBY INDUSTRIAL ESTATEKIRKBY, 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: -
B	188m N	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 ESTATEKIRKBY, 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: -

ID	Location	Details	
B	188m N	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: -
B	188m N	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: -
C	393m W	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: -
C	393m W	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: -

ID	Location	Details	
C	393m W	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: -
-	968m 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: -
-	968m 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: -
-	968m 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: -
-	1141m 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: -



ID	Location	Details	
-	1338m 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: -
-	1338m 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: -
-	1338m 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: -
-	1338m 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: -
-	1338m 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: -



ID	Location	Details	
-	1338m 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: -
-	1347m 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: -
-	1347m 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: -
-	1347m 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: -
-	1347m 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	
-	1347m 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: -
-	1347m 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: -
-	1350m 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: -
-	1350m 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: -



ID	Location	Details	
-	1350m 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: -
-	1350m 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: -
-	1350m 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: -
-	1573m 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	
-	1573m 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: -
-	1573m 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.

5.7 Surface water abstractions

Records within 2000m	2
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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 168](#) >

ID	Location	Details	
D	478m 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	478m 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 168 >](#)

ID	Location	Details	
C	393m W	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: -
-	1573m 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	
-	1573m 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: -
-	1573m 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
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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 168 >](#)

ID	Location	Type	Description
1	On site	3	Total catchment

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

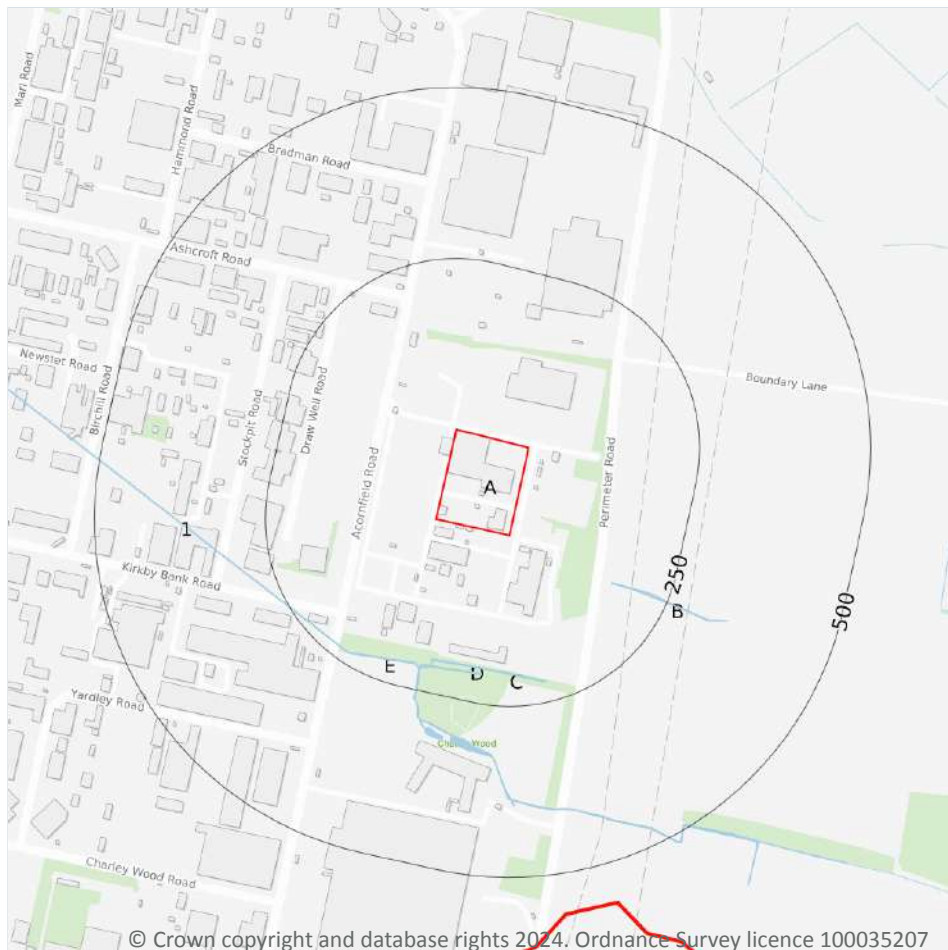
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0
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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

11

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 179](#) >

ID	Location	Type of water feature	Ground level	Permanence	Name
B	164m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
C	198m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	198m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
D	199m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	207m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	211m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	212m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Kirkby Brook
D	212m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Kirkby Brook
D	216m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Kirkby Brook
D	217m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Kirkby Brook
1	233m 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

7

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.

Features are displayed on the Hydrology map on [page 179 >](#)



This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1
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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 179 >](#)

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
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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 179 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1974m 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
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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 179](#) >

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

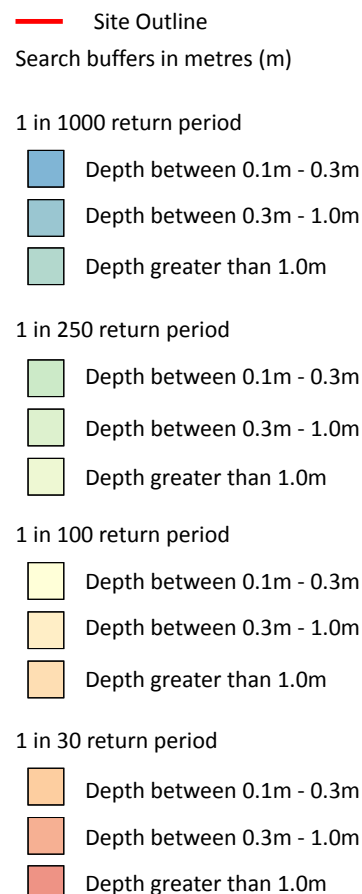
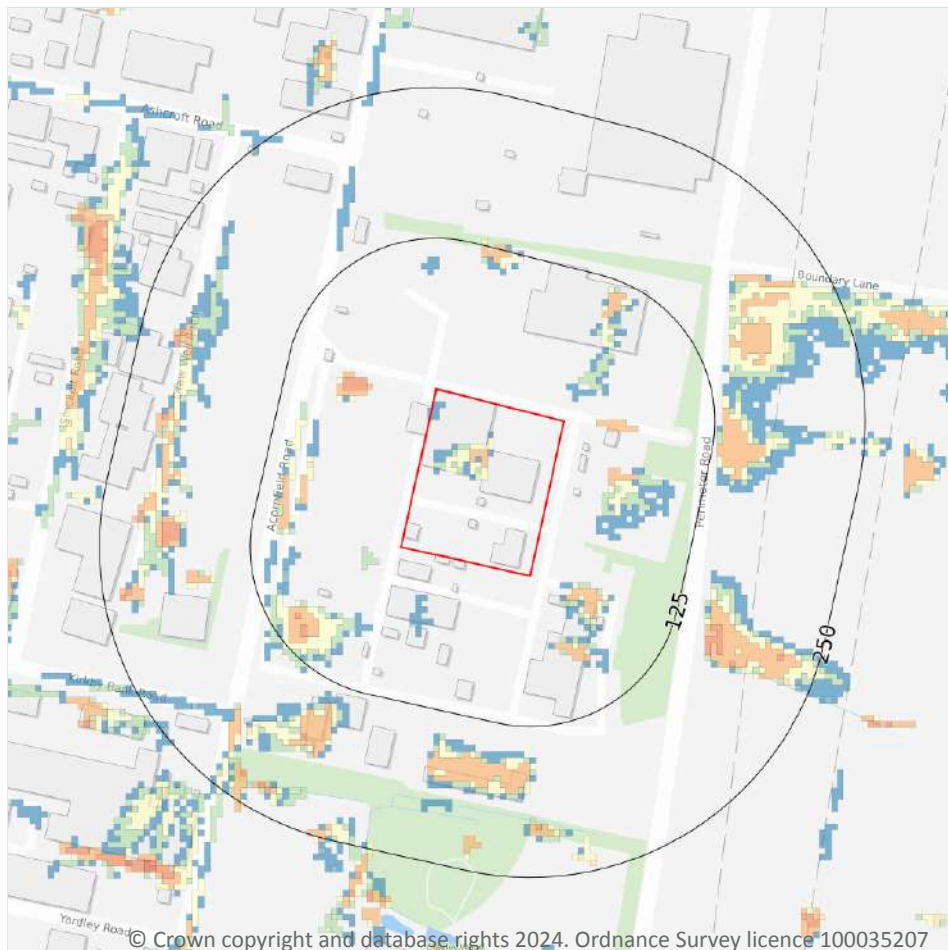
0

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



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, 0.1m - 0.3m

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 186](#) >

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 0.1m and 0.3m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

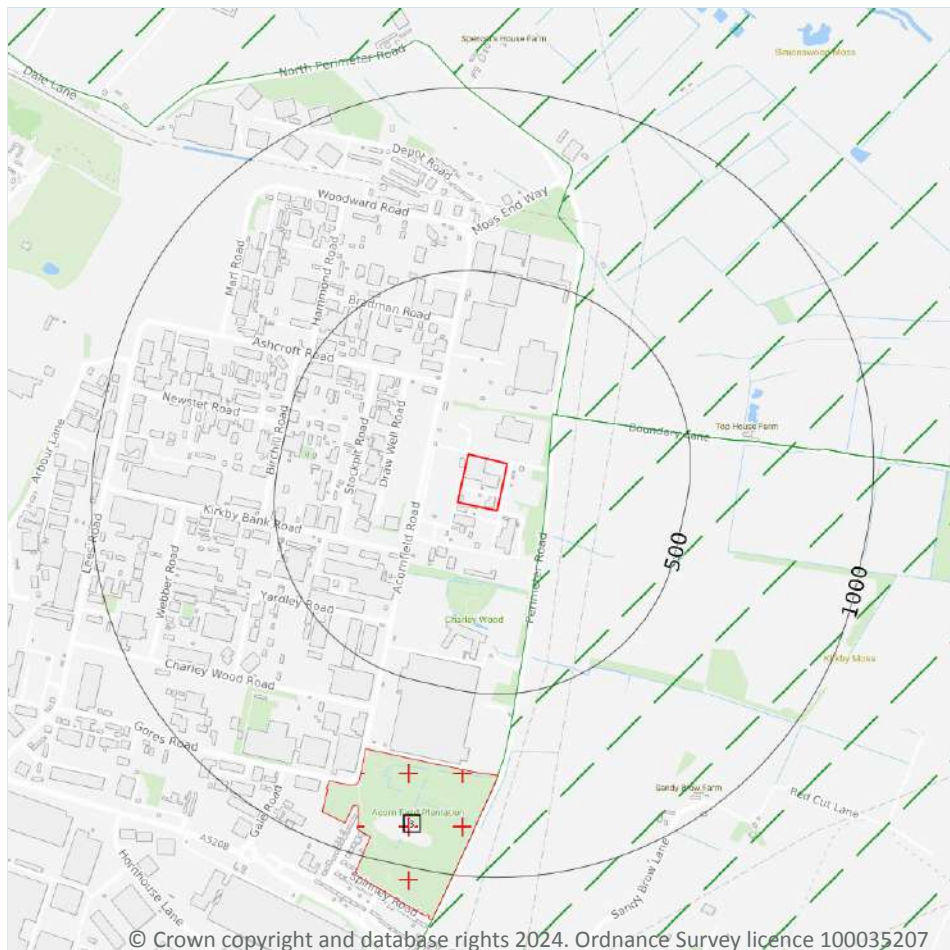
Low

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 188](#) >

This data is sourced from Ambiental 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 189 >](#)

ID	Location	Name	Data source
3	710m 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 189](#) >

ID	Location	Name	Local Authority name
1	113m E	Merseyside and Greater Manchester	Knowsley
2	189m NE	Merseyside and Greater Manchester	West Lancashire
-	1445m E	Merseyside and Greater Manchester	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
164m E	ALT NVZ	Surface Water	642	Existing
1580m 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
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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
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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

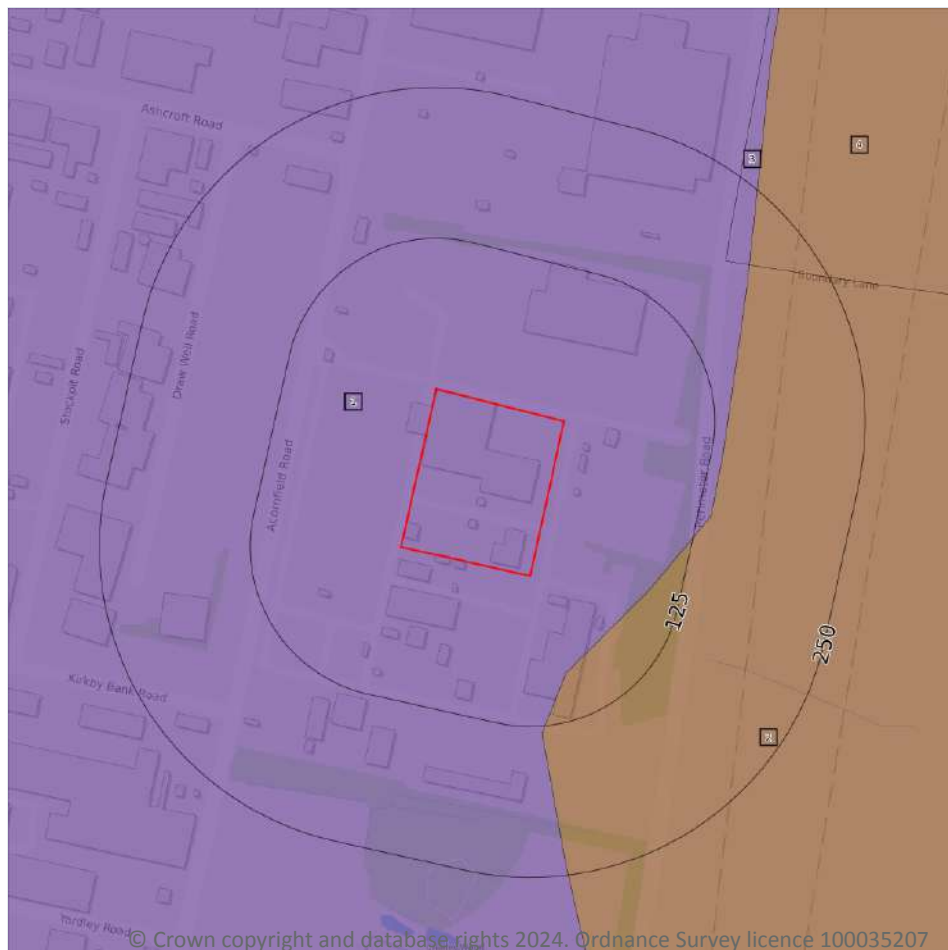
0

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

4

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 197](#) >

ID	Location	Classification	Description
1	On site	Urban	-
2	78m SE	Grade 1	Excellent quality agricultural land. Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality.



ID	Location	Classification	Description
3	189m NE	Urban	-
4	201m NE	Grade 1	Excellent quality agricultural land. Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality.

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**3**

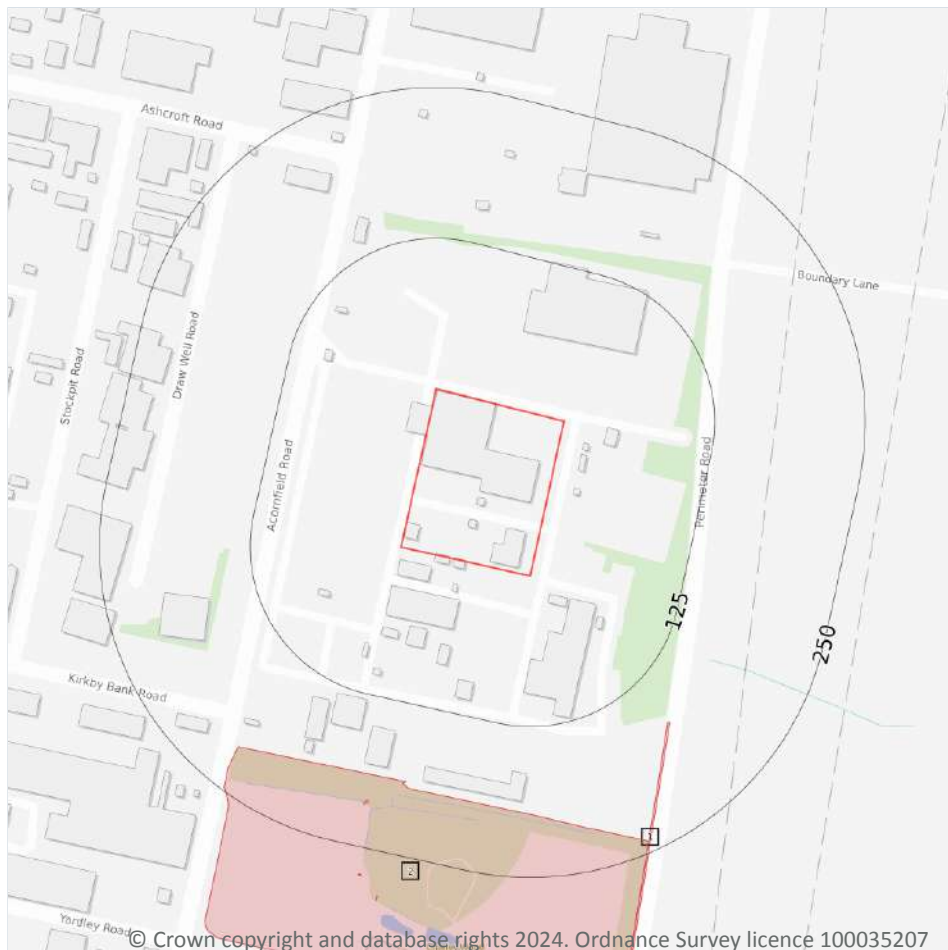
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
124m E	1459921	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
150m SE	645270	Countryside Stewardship (Middle Tier)	01/01/2019	31/12/2023
190m NE	1459921	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027

This data is sourced from Natural England.



13 Habitat designations



- Site Outline
- Search buffers in metres (m)
- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders
- Habitat Networks
- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m

2

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

Features are displayed on the Habitat designations map on [page 200 >](#)

ID	Location	Main Habitat	Other habitats
1	166m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	189m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

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



15.1 50k Availability

Records within 500m

1

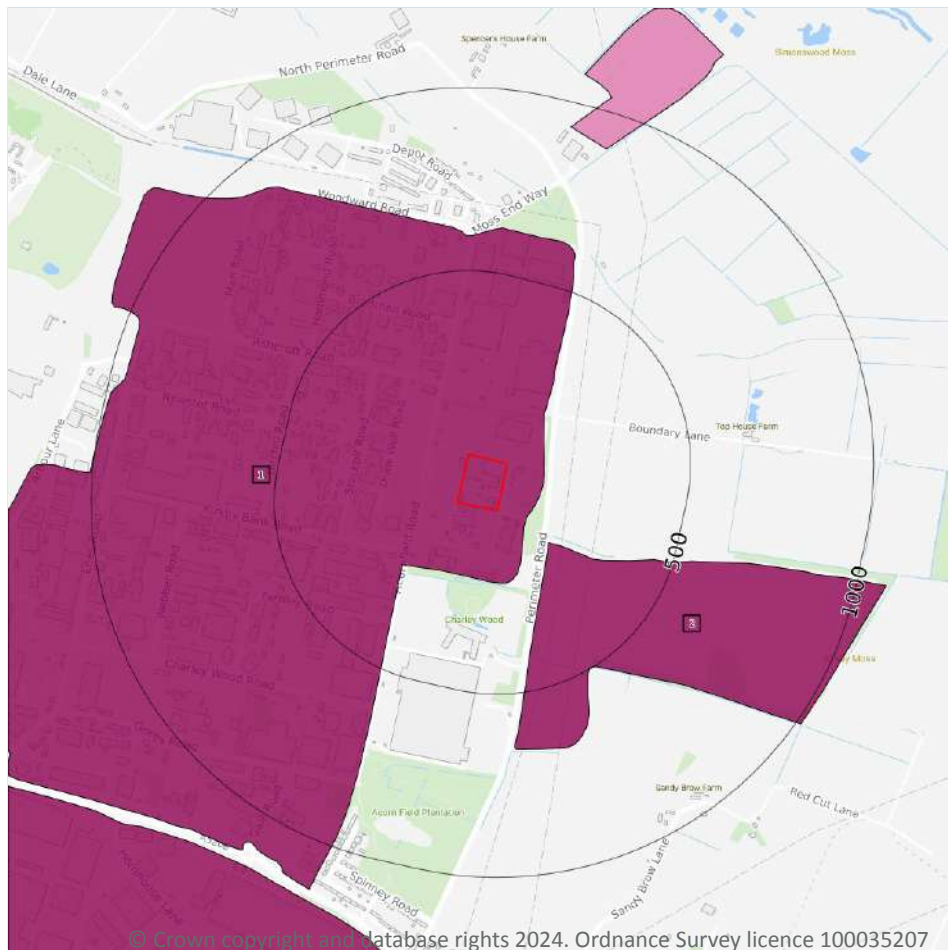
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

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

2

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
2	165m SE	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

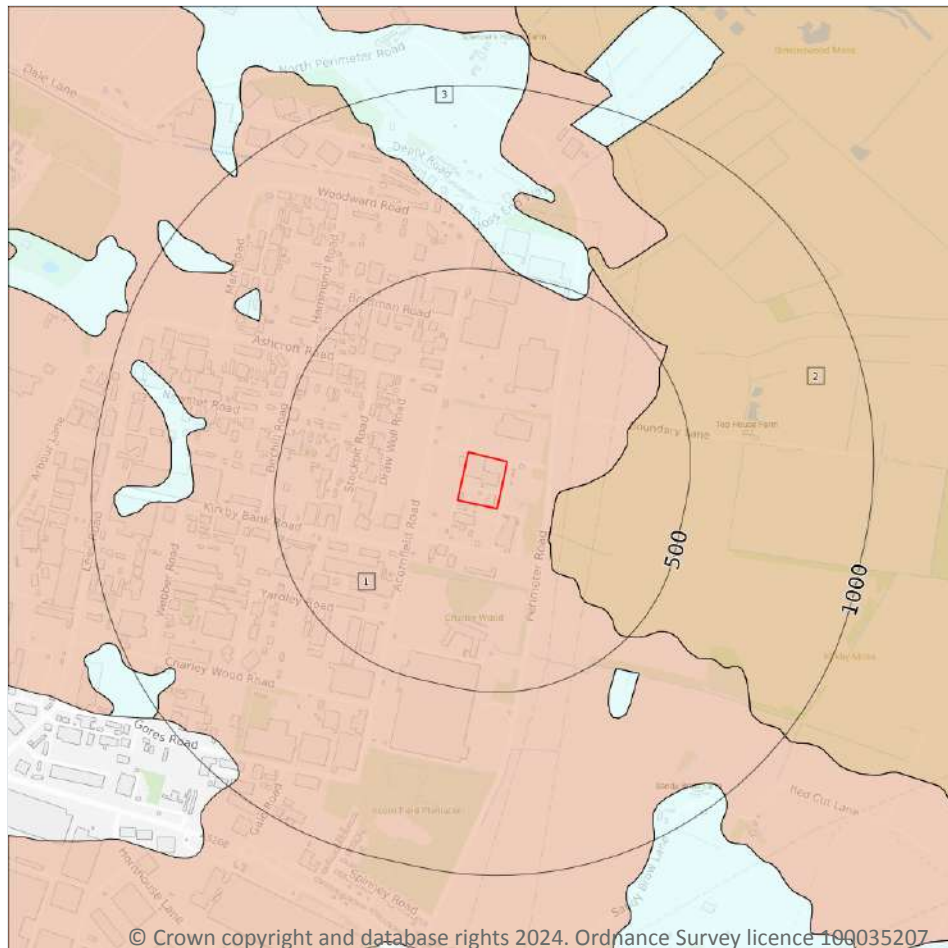
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

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

3

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	152m E	PEAT-P	PEAT	PEAT
3	475m NE	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

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)

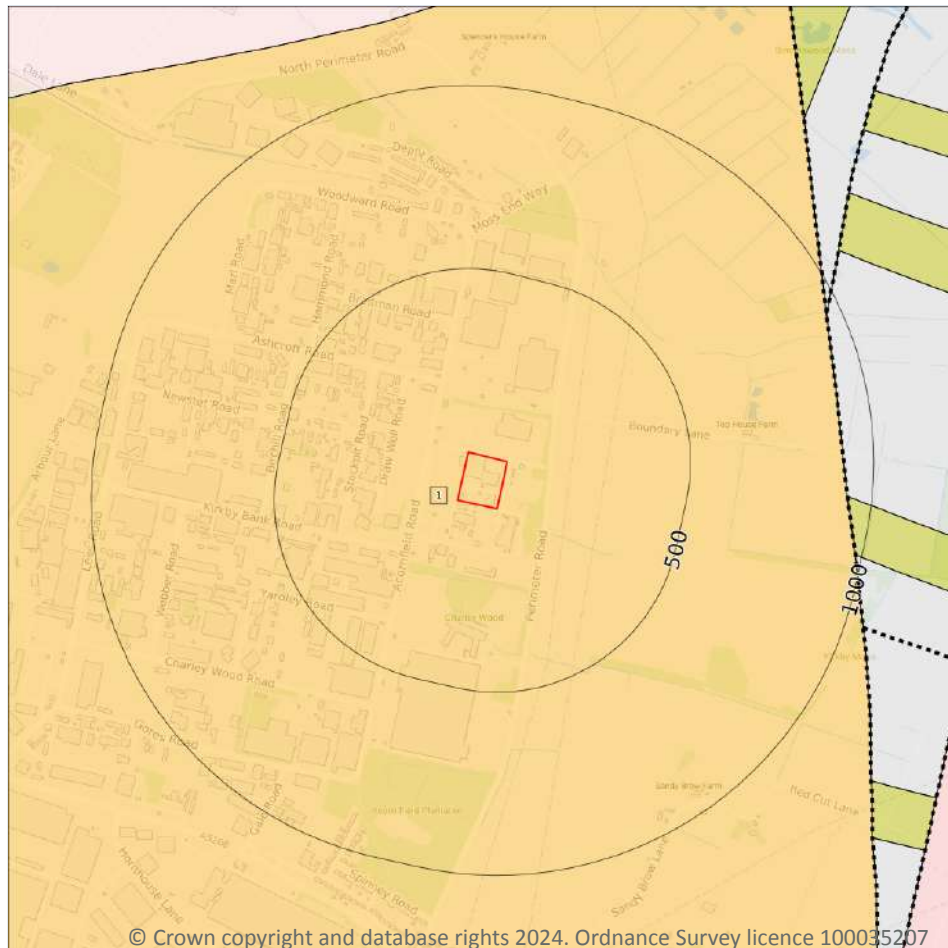
Records within 50m**0**

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)

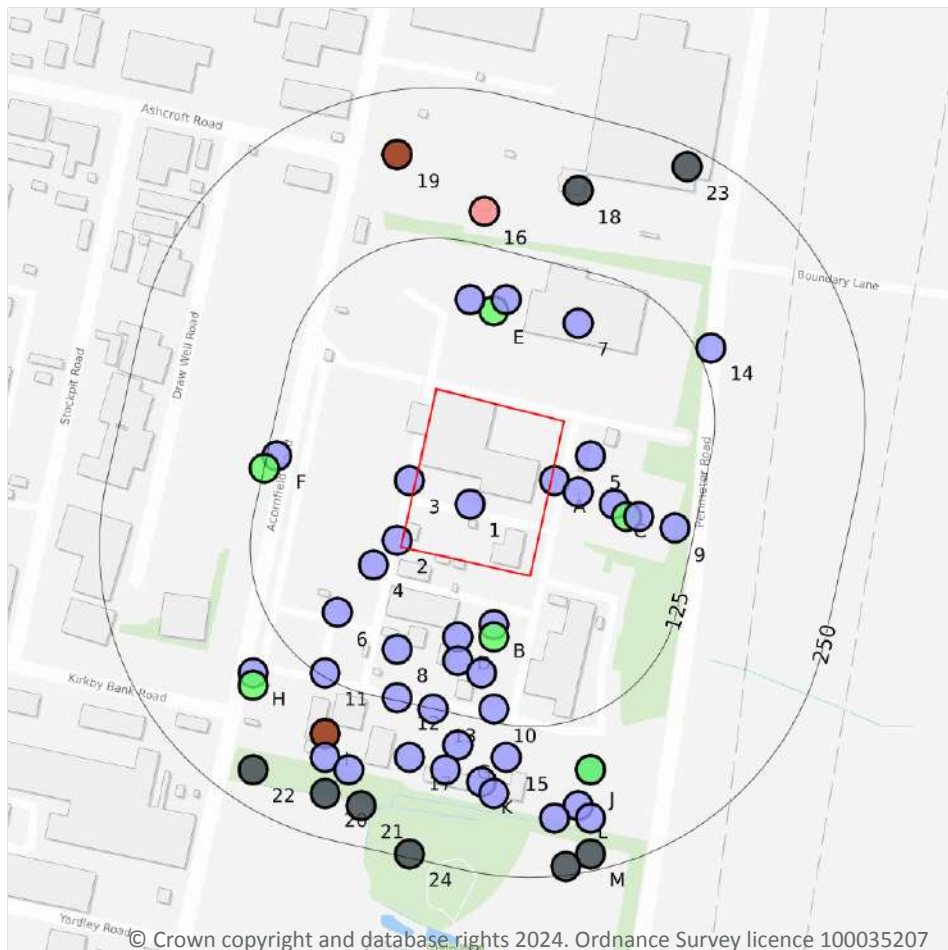
Records within 500m**0**

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



- Site Outline
- Search buffers in metres (m)
- Confidential
 - 0 - 10m
 - 10 - 30m
 - 30m+
 - Unknown

16.1 BGS Boreholes

Records within 250m

55

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	On site	343850 398730	KODAK KIRKBY WS9	2.0	N	17560199 ↗
A	2m E	343920 398750	KODAK KIRKBY WS6	2.0	N	17560195 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
2	4m SW	343790 398700	KODAK KIRKBY WS11	2.0	N	17560201 ↗
3	5m W	343800 398750	KODAK KIRKBY WS10	0.4	N	17560200 ↗
A	24m E	343940 398740	KODAK KIRKBY WS5	2.0	N	17560194 ↗
4	27m SW	343770 398680	KODAK KIRKBY WS13	2.0	N	17560202 ↗
5	28m E	343950 398770	KODAK KIRKBY WS4	2.0	N	17560193 ↗
B	46m S	343870 398630	KODAK KIRKBY 5A(S)	5.0	N	17560465 ↗
C	56m E	343970 398730	KODAK KIRKBY WS8	2.0	N	17560198 ↗
B	56m S	343870 398620	KODAK KIRKBY 5A(D)	25.0	N	17560464 ↗
D	63m S	343840 398620	KODAK KIRKBY WS15	2.0	N	17560204 ↗
C	67m E	343980 398720	KODAK KIRKBY 6A(D)	25.0	N	17560466 ↗
E	74m N	343870 398890	KODAK KIRKBY 1A(D)	25.0	N	17560408 ↗
6	76m SW	343740 398640	KODAK KIRKBY WS14	3.0	N	17560203 ↗
C	77m E	343990 398720	KODAK KIRKBY 6A(S)	4.2	N	17560467 ↗
E	79m N	343850 398900	KODAK KIRKBY WS3	2.0	N	17560192 ↗
7	82m NE	343940 398880	KODAK KIRKBY WS2	2.0	N	17560191 ↗
D	82m S	343840 398600	KODAK KIRKBY WS17	2.0	N	17560208 ↗
8	83m SW	343790 398610	KODAK KIRKBY WS16	2.0	N	17560206 ↗
E	86m N	343880 398900	KODAK KIRKBY 1A(S)	5.0	N	17560406 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
D	87m S	343860 398590	KODAK KIRKBY WS18	2.0	N	17560210 ↗
9	109m E	344020 398710	KODAK KIRKBY WS7	2.0	N	17560196 ↗
10	115m S	343870 398560	KODAK KIRKBY WS19	1.2	N	17560212 ↗
F	117m W	343690 398770	KODAK KIRKBY 3A(S)	5.0	N	17560461 ↗
11	122m SW	343730 398590	KODAK KIRKBY WS33	2.0	N	17560403 ↗
12	122m S	343790 398570	KODAK KIRKBY WS21	2.0	N	17560215 ↗
F	125m W	343680 398760	KODAK KIRKBY 3A(D)	25.0	N	17560460 ↗
13	125m S	343820 398560	KODAK KIRKBY WS20	2.0	N	17560213 ↗
14	136m NE	344050 398860	KODAK KIRKBY WS1	2.0	N	17560190 ↗
G	150m S	343840 398530	KODAK KIRKBY WS29	1.75	N	17560365 ↗
15	152m S	343880 398520	KODAK KIRKBY WS25	2.0	N	17560255 ↗
16	153m N	343862 398973	PILKINGTON BROTHERS SIMONSWOOD	306.01	N	164963 ↗
H	161m SW	343670 398590	KODAK KIRKBY 4A(S)	4.5	N	17560462 ↗
I	167m SW	343730 398540	KODAK LTD. ACORN ORAD	-1.0	N	165620 ↗
J	168m S	343950 398510	KODAK KIRKBY 2A(S)	3.5	N	17560409 ↗
J	168m S	343950 398510	KODAK KIRKBY 2A(D)	25.0	N	17560459 ↗
H	168m SW	343670 398580	KODAK KIRKBY 4A(D)	25.0	N	17560463 ↗
17	169m S	343800 398520	KODAK KIRKBY WS30	1.8	N	17560368 ↗
G	172m S	343830 398510	KODAK KIRKBY WS28	1.8	N	17560364 ↗

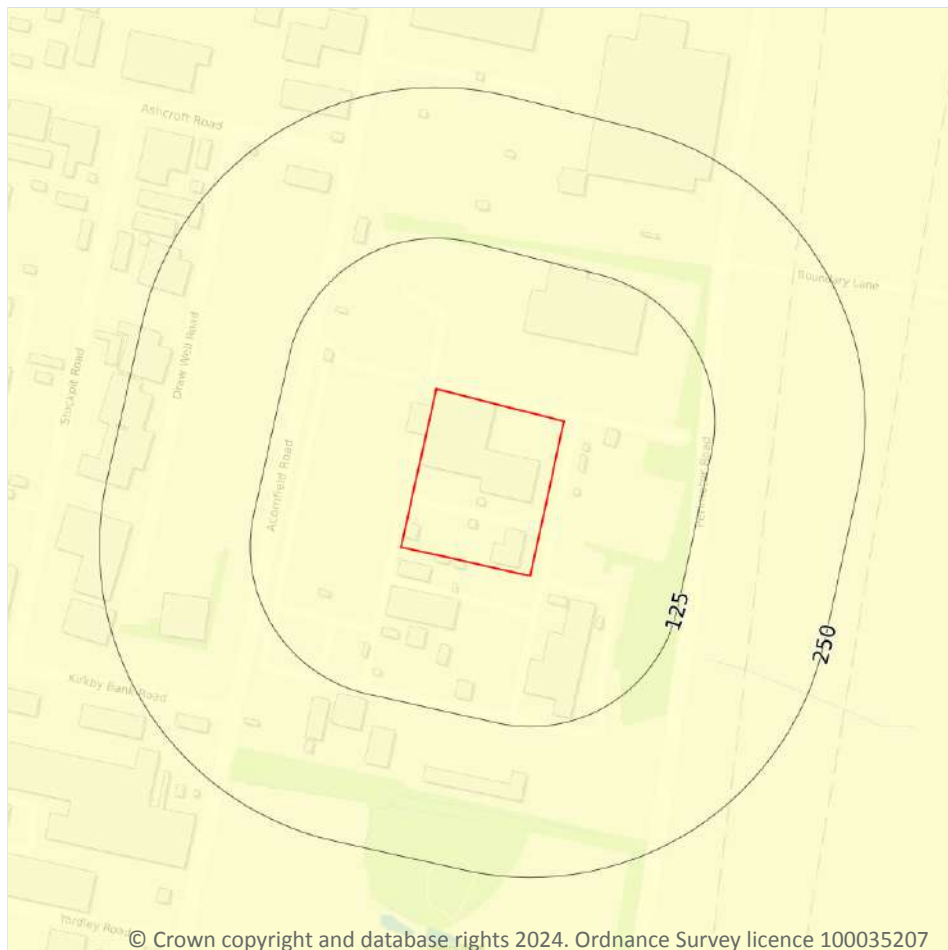


ID	Location	Grid reference	Name	Length	Confidential	Web link
K	175m S	343860 398500	KODAK KIRKBY WS27	1.45	N	17560312 ↗
K	183m S	343870 398490	KODAK KIRKBY WS26	2.0	N	17560311 ↗
I	186m SW	343730 398520	KODAK KIRKBY WS32	1.6	N	17560372 ↗
18	188m N	343940 398990	NFC KNOWSLEY 2	-	Y	N/A
I	190m SW	343750 398510	KODAK KIRKBY WS31	1.4	N	17560369 ↗
L	195m S	343940 398480	KODAK KIRKBY WS23	2.0	N	17560253 ↗
19	197m N	343790 399020	ASHCROFT ROAD, KIRKBY	-1.0	N	165619 ↗
L	202m S	343920 398470	KODAK KIRKBY WS24	2.0	N	17560254 ↗
L	207m S	343950 398470	KODAK KIRKBY WS22	2.0	N	17560252 ↗
20	214m SW	343730 398490	NORTH ACORNFIELD ROAD PETROLITE KNOWSLEY IND PK HA6	-	Y	N/A
21	217m S	343760 398480	NORTH ACORNFIELD ROAD PETROLITE KNOWSLEY IND PK HA7	-	Y	N/A
22	222m SW	343670 398510	NORTH ACORNFIELD ROAD PETROLITE KNOWSLEY IND PK MA5	-	Y	N/A
23	235m NE	344030 399010	NFC KNOWSLEY 3	-	Y	N/A
M	236m S	343950 398440	NORTH ACORNFIELD ROAD PETROLITE KNOWSLEY IND PK HA13	-	Y	N/A
M	242m S	343930 398430	NORTH ACORNFIELD ROAD PETROLITE KNOWSLEY IND PK HA1	-	Y	N/A
24	247m S	343800 398440	NORTH ACORNFIELD ROAD PETROLITE KNOWSLEY IND PK HA8	-	Y	N/A

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).

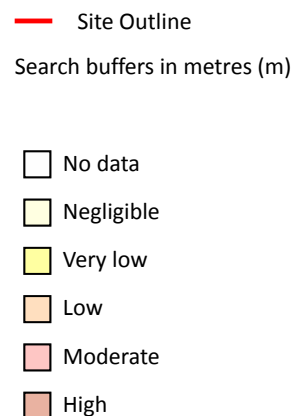
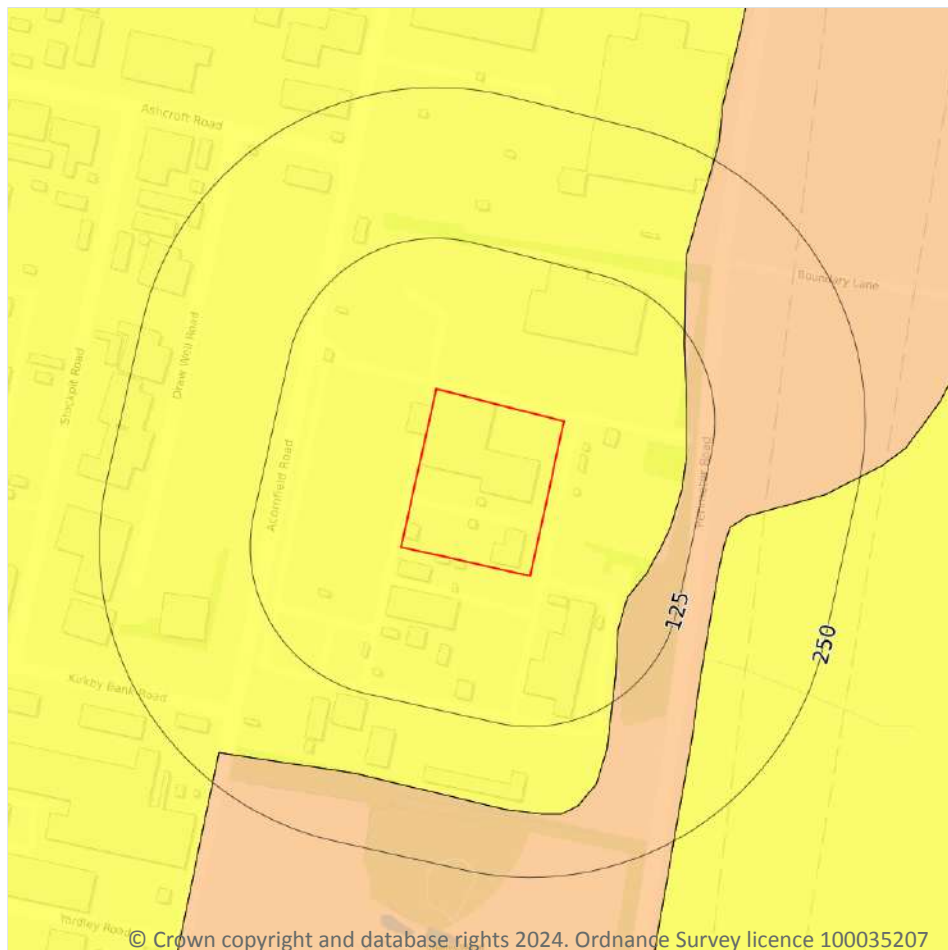
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 217 >](#)

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.

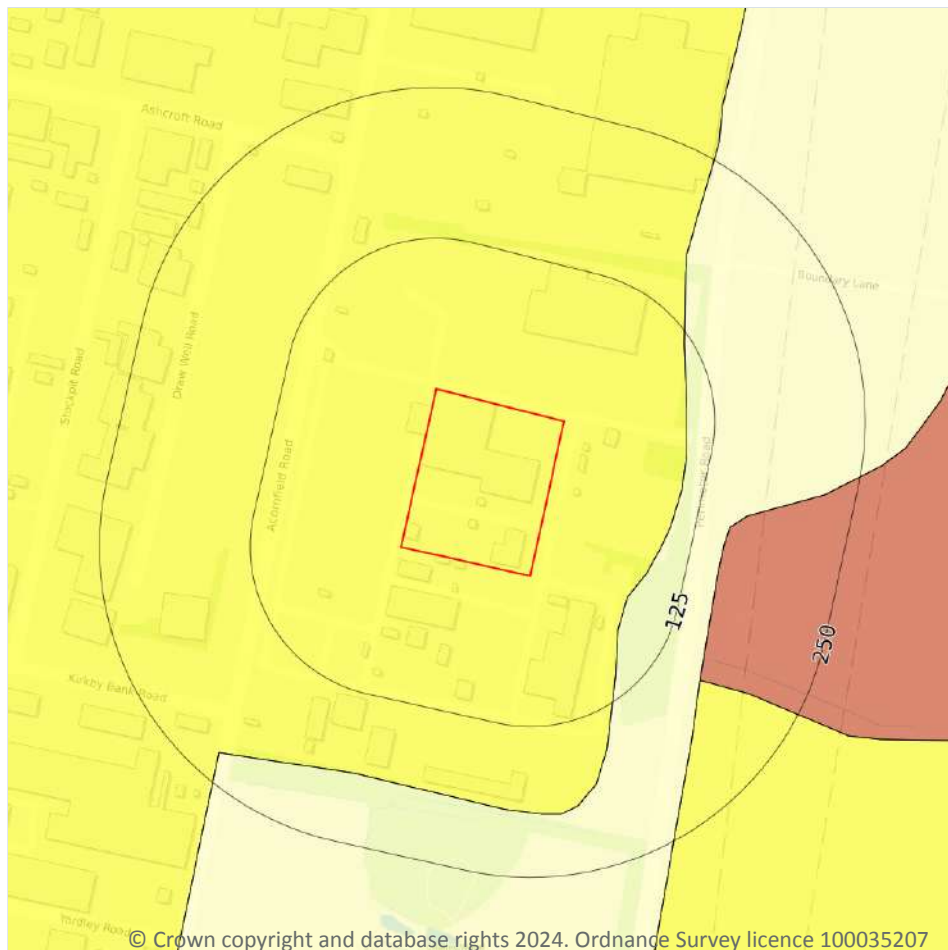
Features are displayed on the Natural ground subsidence - Running sands map on [page 218 >](#)

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.

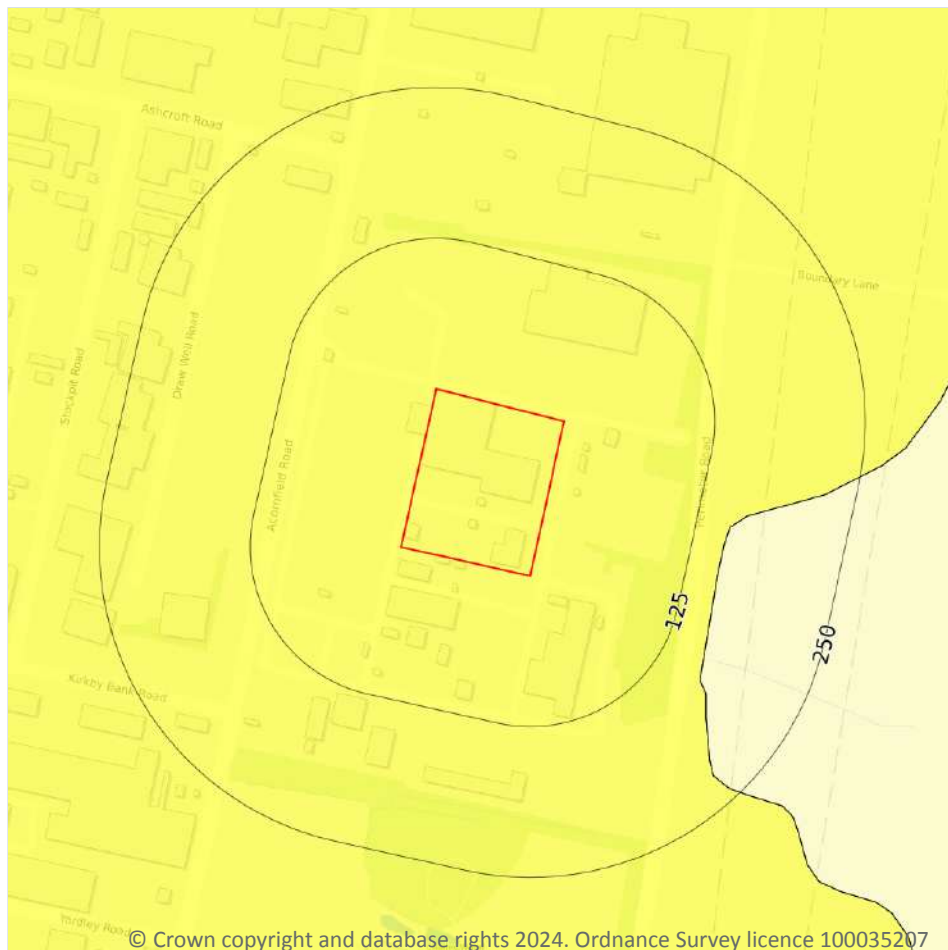
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 219](#) >

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.

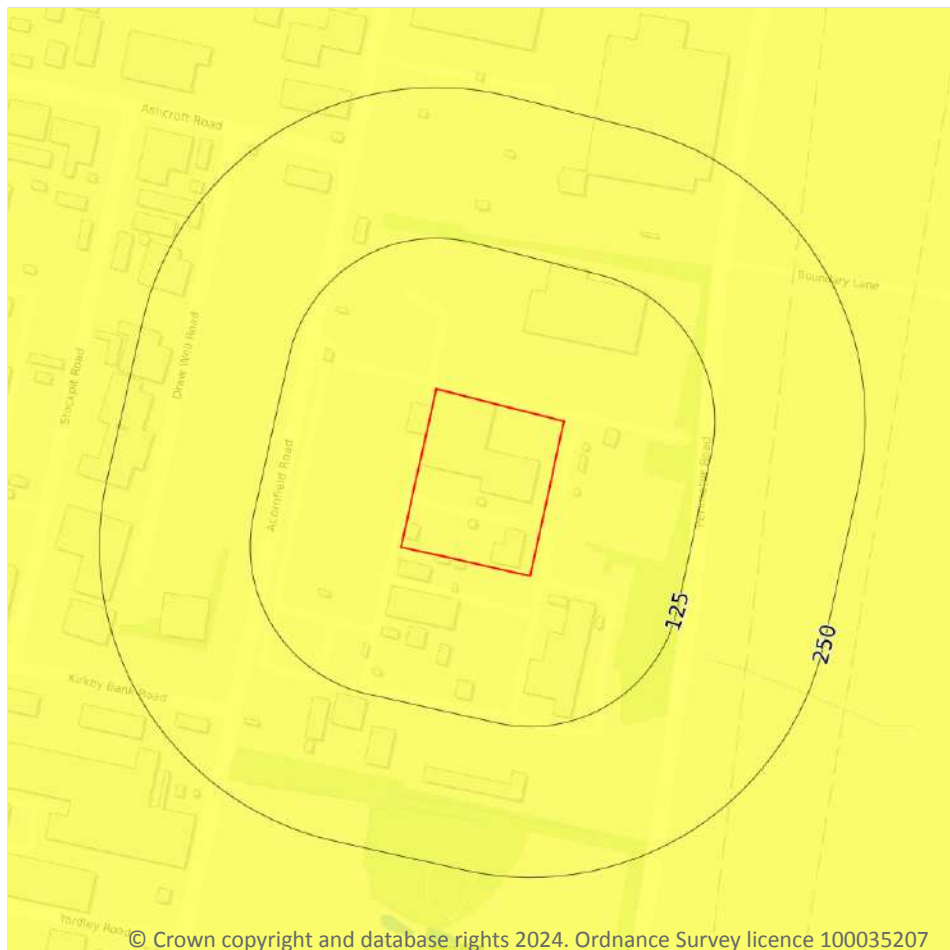
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 220 >](#)

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.

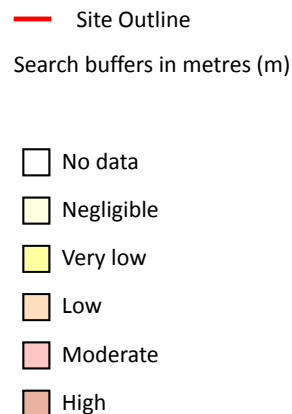
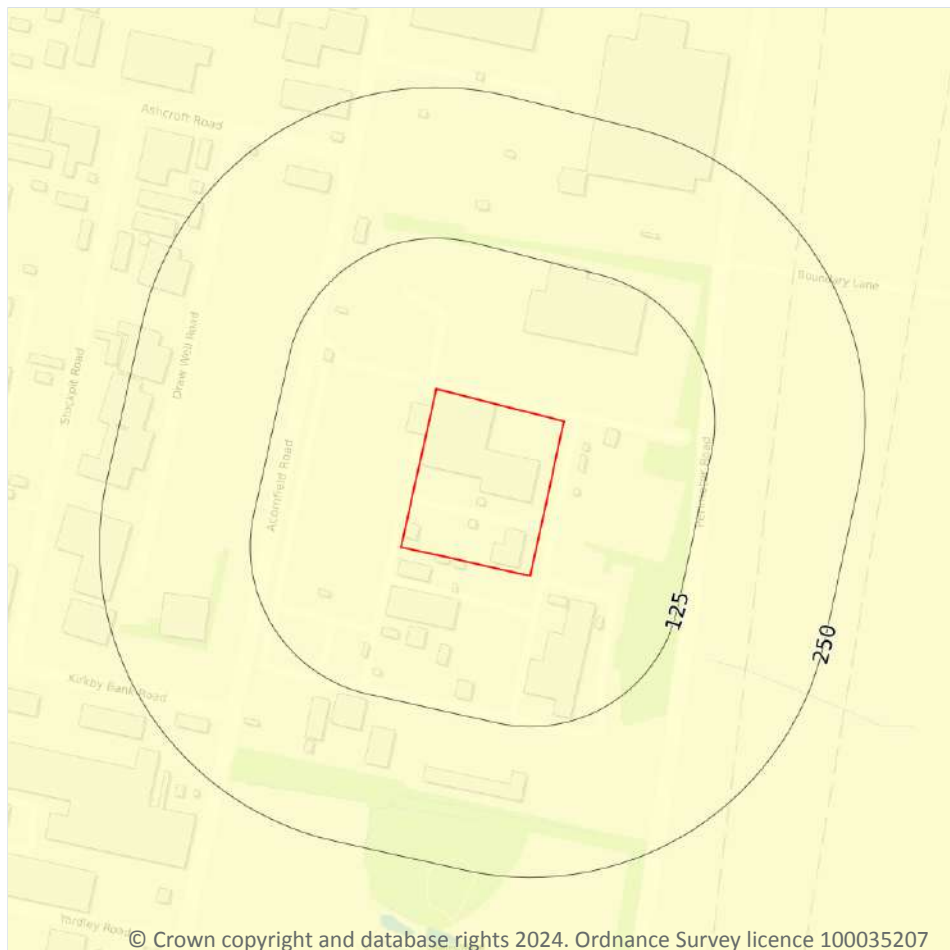
Features are displayed on the Natural ground subsidence - Landslides map on [page 221](#) >

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.

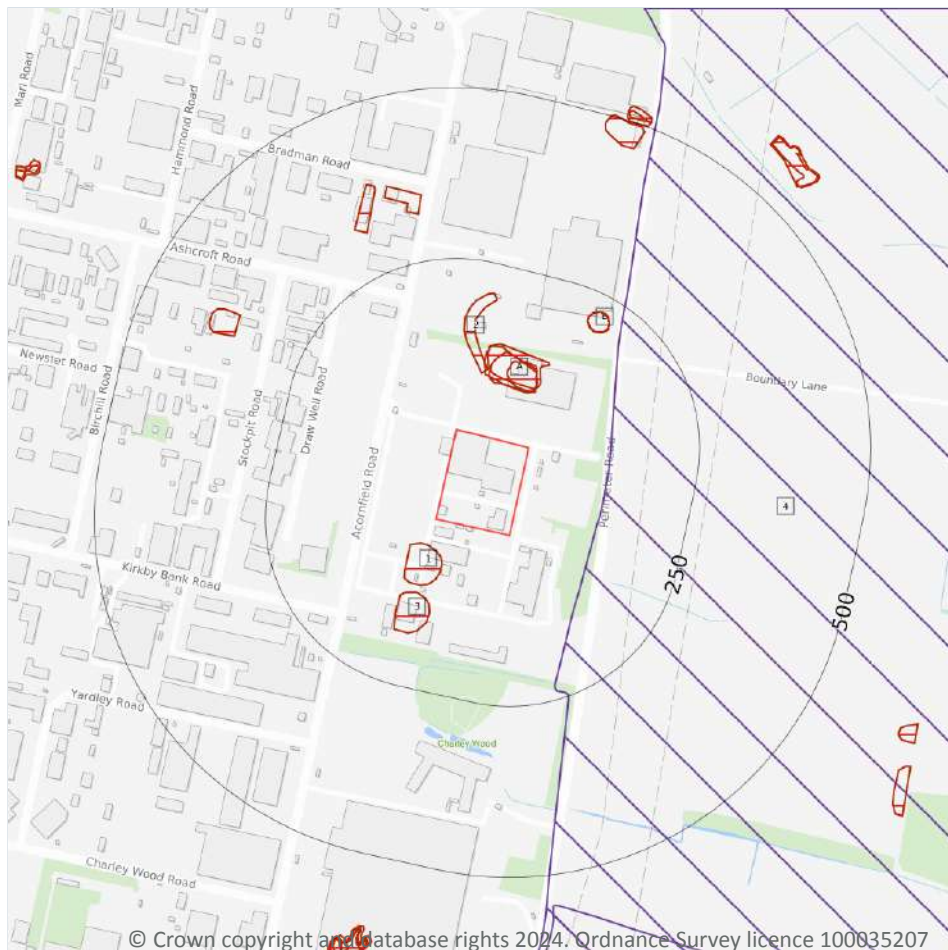
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 222](#) >

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

10

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	40m SW	Unspecified Heaps	1955	1:10560
A	77m NE	Marl Pit	1907	1:10560
A	79m NE	Marl Pit	1928	1:10560
A	80m NE	Unspecified Pit	1890	1:10560
A	85m NE	Marl Pit	1955	1:10560
2	89m N	Unspecified Heap	1955	1:10560
3	110m SW	Unspecified Heaps	1955	1:10560
B	195m NE	Unspecified Heap	1966	1:10560
B	195m NE	Unspecified Heap	1976	1:10000
B	195m NE	Unspecified Heap	1988	1:10000

This is 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 is 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
4	119m SE	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.

19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

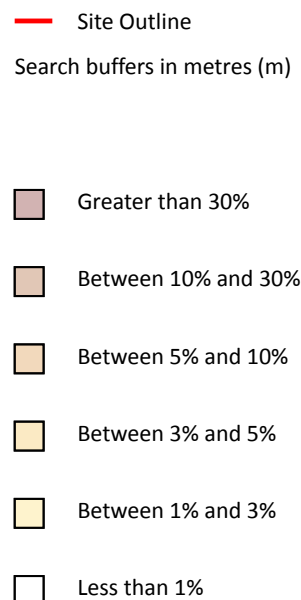
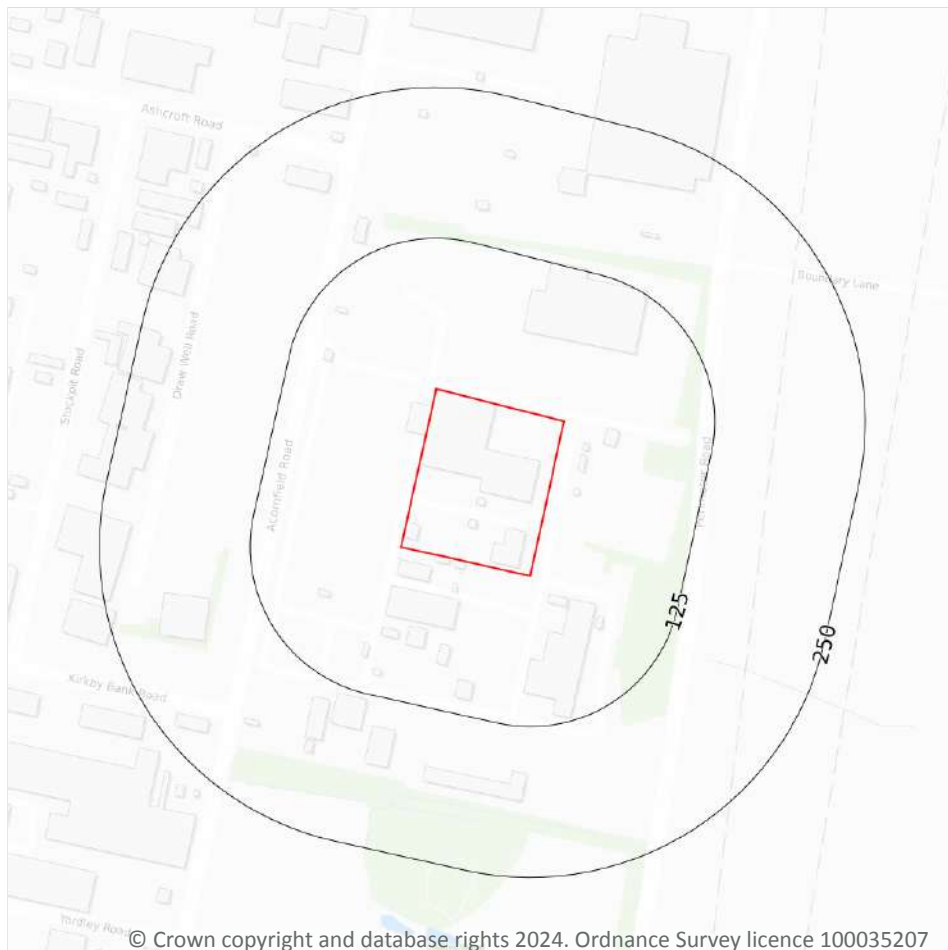
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.



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
On site	25 - 35 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)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- 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

15

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	1966	10560
84m W	Railway Sidings	1976	10000
178m W	Railway Sidings	1960	2500
178m W	Railway Sidings	1968	2500
179m W	Railway Sidings	1960	1250
179m W	Railway Sidings	1972	1250
186m N	Railway Sidings	1961	2500
199m NW	Railway Sidings	1960	1250
222m SW	Railway Sidings	1968	2500
222m SW	Disused Railway Sidings	1960	2500
224m SW	Railway Sidings	1960	1250
224m SW	Railway Sidings	1972	1250
237m SW	Railway Sidings	1960	1250
242m SW	Railway Sidings	1972	1250
242m SW	Disused Railway Sidings	1960	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 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

22.9 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.



22.10 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> ↗.

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