

TC/PRA/P9299/22/01

PRELIMINARY RISK ASSESSMENT

AT

**Land South of A5 Watling Street
Hinckley
LE10 3ED**

FOR

CNG



PRELIMINARY RISK ASSESSMENT

Land South of A5 Watling Street, Hinckley, LE10 3ED



REPORT VERIFICATION

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Appendices

Appendix A – Drawings

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Appendix C – Groundsure Enviro-Geo Insight Report

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1 INTRODUCTION

1.1 Project Scope

Thomas Consulting has been commissioned by CNG to carry out a preliminary risk assessment for the proposed development of a CNG Fuels biomethane refuelling station, located at Land South of A5 Watling Street, Hinckley, LE10 3ED. This report will assess the potential contamination risks associated with the proposed development.

1.2 Proposed Development

This report has been prepared to support a planning application for the construction of a biomethane HGV fuelling facility. As the site will be connected to the main pipeline and gas compressed on site, the development should be considered a commercial yard with medium risk. The new development will be served via a new access provided by a ghost island right turn lane priority junction off the A5.

1.3 Aim and Objectives of Report

Using available data to understand the potential risks associated with contamination at the site, Thomas Consulting will conduct a review of the following:

- Historical use of the site; using a combination of previous OS Maps and satellite imagery
- The environmental setting, including geological, hydrogeological, hydrological and manmade features at and around the site; provided using Enviro and Insight Reports (hereafter referred to as the 'Insight Report' sourced from Groundsure
- Potentially significant pollutant linkages; using an initial conceptual model of sources, pathways and receptors developed in accordance with the guidance.

The findings of this review shall establish any concerns associated with the risks identified or perceived and establish the actions required to assess or mitigate these risks.

1.4 Limitations

The findings of this report arise from our interpretation of the information available at the time. Information reviewed for this report includes Searches completed by Groundsure, who adhere to the Conveyancing Information Executive Standards to demonstrate their provision is completed with due care and skill.

The conclusions and recommendations presented in this report are the result of our professional interpretation of the information currently available. Thomas Consulting reserve the right to amend the conclusions and recommendations if further information becomes available.

However, it should be noted that much of the information relied upon has been written by others and Thomas Consulting take no responsibility for the accuracy of that information. Notwithstanding the above, the reports used have all been written by professional environmental consultants with a duty of care to provide relevant and accurate information.

Issues associated with invasive plant species are outside the remit of this assessment.

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2 SITE DESCRIPTION

2.1 Location

The 0.74 ha site is identified on the Site Location Plan (Drawing No: 042-01-CNG-101) – See Appendix A

The site is located on the A5 approximately 2.6km south west of Hinckley and 760m south west of the A5/A47 junction. The grid reference is 440080 292977. Surrounding the site is predominantly agricultural fields to the south and industrial/warehouses to the north. Immediately to the east is a long-established petrol filling station, served by separate access from the A5. Further east exists an industrial state containing an electricity substation and infrastructure for the National Grid.

2.2 Layout & Description

The proposed site layout is shown on Site Layout Plan (Drawing No: 042-01-CNG-104) – See Appendix A

Currently the land forms part of a wider greenfield plot currently comprising flat grassland that is understood to be used for grazing. This is proposed to be developed into a biomethane refuelling station by CNG Fuels. HGVs will be routed in a clockwise flowing one-way system around the site. 12 fuelling islands are allocated in the centre of the site. Infrastructure including gas storage banks, compressors and backup generator are proposed to be located on the eastern boundary. The site will be predominantly hard surfaced, however, landscaping will be added on raised islands between the site and the A5 and on the northern boundary.

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3 SITE HISTORY

A review of historical maps available has been completed. Copies of maps, which are reproduced with the permission of the National Library of Scotland are shown in Appendix B. For more recent years, satellite images from the Insight Report are used to supplement the information.

3.1.1 1886

The map shows that the site is surrounded by undeveloped agricultural land on all sides. The line of the A5 is already visible at this stage. The current railway seen crossing 200m to the north west of the site is also identified at this stage. The Sketchley Brook is marked flows to the south of the site.

3.1.2 1901

No additional developments are identified for the site or surrounding area.

3.1.3 1923

Newly constructed small buildings are identified to the north east of the site, on the northern edge of the A5.

3.1.4 1938

No additional developments are identified for the site or surrounding area.

3.1.5 1930 - 1954

To the north of the A5, several additional buildings have been constructed. They border on to open fields which suggests they have agricultural uses.

3.1.6 1958 - 1967

Immediately east of the proposed development a garage is marked. This is on the site of the current BP petrol filling station. To the north west of the site a small works is identified. There is a pylon running parallel to the Sketchley Brook south of the site.

3.1.7 1999

Satellite imagery has been used to assess the site and surrounding area. No additional developments are identified.

3.1.8 2008

Satellite imagery has been used to assess the site and surrounding area. No additional developments are identified.

3.1.9 2010

Satellite imagery has been used to assess the site and surrounding area. No additional developments are identified.

3.1.10 2017

Satellite imagery has been used to assess the site and surrounding area. No additional developments are identified.

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3.1.11 2020

Satellite imagery has been used to assess the site and surrounding area. Land immediately north of the site, across the A5 appears to be a construction site. Referring to the current layout, it is suggested these are landscaping works prior to settlement on the existing traveller site.

4 ENVIRONMENTAL SETTING

The Environmental setting of the site, including the geological, hydrogeological and hydrological and manmade features of this site are established using the information included in Groundsure's Insight Report. The Enviro and Geo sections of this report are shown in Appendix B and C, respectively.

4.1 Geology

A geological assessment is completed to identify the character of the soil, superficial strata and bedrock layers underlying the proposed development. The results are shown in Table 1.

Table 1: Geological Assessment

Geological Assessment		
Geological Layer	Classification	Description
Soil	Soilscape 18	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils
Superficial (Drift)	Alluvium	Sand with Clay and Gravel
Bedrock (Solid)	Mercia Mudstone	Mercia Mudstone Group – Mudstone (Rhaetian Age – Early Triassic Epoch)

4.1.1 Boreholes

The Insight Report has no boreholes located within 250m of the site. The closest boreholes identified are located approximately 1km north west of the site. The results of the three surveys obtained are summarised in Table 2 below.

Table 2 summarises the boreholes identified. The minimum and maximum depths to top of strata are given as a range. The average depth is also shown in brackets.

Depth to Top of Stratum (m)	Strata
0	Topsoil
0.30 – 0.40 (0.37)	Stiff brown and grey silty CLAY, traces of decayed roots
0.80 – 2.30 (1.70)	Stiff red brown and grey silty CLAY, traces of decayed roots, becoming fissured at depth
3.00 – 7.50 (4.83)	Base of Borehole

4.1.2 Made Ground

The Groundsure report identifies a single instance of made ground in close proximity to the site. This is located 224m east of the proposed development. This feature is on the site of the industrial estate where the National Grid site is located.

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Recent aerial photography has been reviewed for the site and this shows open pasture land. Therefore it is not thought there is any made ground present on site. However, this should be confirmed prior to any construction taking place.

4.1.3 Linear Features

Superficial strata and bedrock are uniform around the site. No linear faults or features are identified within 500m of the site.

4.2 Mining and Ground Stability

4.2.1 Mining History

There is no reference made to any mining activities in the vicinity of the site.

4.2.2 Ground Stability

Hazard ratings associated with ground subsidence are provided in the Insight Report and are summarised in the Table 3 below.

The highest risk observed is a moderate risk of compressible deposits. Soft materials such as clay may compress if loaded by overlying structures, or if the groundwater level changes, potentially result in depression of the ground and disturbance of foundations.

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Table 3 summarises the Groundsure's assessment of ground stability hazards within the site boundary

Natural Ground Subsidence	Hazard Rating	Inference
Shrink-Swell Clay	Very low	Ground conditions predominantly low plasticity
Running Sands	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.
Compressible Deposits	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
Collapsible Deposits	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
Landslides	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.
Ground dissolution of soluble rocks	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.

4.3 Hydrogeology

Assessment of the Insight report has found both the superficial strata and bedrock are capable of supporting water supplies. Furthermore, geological information is used to produce a qualitative classification of estimated rates of vertical movement of water from the ground surface. These findings are summarised in Table 4.

Table 4: Aquifer designations and vulnerability

Geological Layer	Designation	Vulnerability	Permeability
Superficial Strata	Secondary A	Medium	Intergranular Flow High – Very Low
Bedrock	Secondary B	Low	Fracture Low

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4.3.1 Aquifer Designations

Principal Aquifers - These are layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer.

Secondary A Aquifers - 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.

Secondary B Aquifers - Predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons, and weathering. These are generally the water-bearing parts of the former non-aquifers.

Secondary (Undifferentiated) Aquifers - Has been assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.

4.3.2 Vulnerability Designation

This is defined as the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties.

High - Areas able to easily transmit pollution to groundwater. Likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.

Medium - Intermediate between high and low vulnerability

Low - Area that provide good protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of low permeability superficial deposits.

4.3.3 Groundwater

The Insight report shows that the site is not located in a source protection zone. Under the Water Framework Directive, the bedrock aquifer is given an overall quality rating of good (chemical – good, quantitative – good).

The closest active groundwater abstraction is located 1700m north east of the site and is used for pollution remediation purposes.

4.4 Hydrology

4.4.1 Surface Water Features

The nearest surface water feature to the site is the Sketchley Brook. This is designated as an EA main river and located approximately 160m east and south of the proposed development and flows in a south westerly direction. Approximately 2km downstream, it forms a confluence with the Harrow Brook.

The channel is situated in the Sketchley Brook from Source to River Anker water body catchment. This has an overall quality rating of moderate (chemical – fail, ecological – moderate).

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4.4.2 Abstraction & Discharge Consents

There are no active surface water abstractions identified in the surrounding area.

Three historic discharges are identified into the Sketchley Brook, upstream of the proposed development. These consist of trade and sewage discharges. No existing consents are recorded.

4.5 Flood Risk

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 model is stated in the Insight report. The site is predominantly at negligible risk. An area of low flood risk crosses the south western boundary of the site and a small area is classified as medium towards the western corner. Key infrastructure should not be located in these areas.

There is low risk of groundwater flooding on site.

4.6 Contaminated Land & Landfill Activities

4.6.1 Landfill Activity

No active or historic landfill sites are identified by the Insight report.

4.6.2 Waste Sites and Exemptions

Five historical wastes sites within 250m of the proposed development are identified using LPA records by the Insight report. These consist of scrap yards and waste transfer stations.

Active or recently closed licenced waste sites in the area are also reviewed. All sites within 250m are waste transfer stations. Multiple waste exemptions for storing waste are associated with these sites.

4.6.3 Pollution

Two historical pollution incidents are recorded within 250m of the site. These are listed in Table 5. It is not expected that these events have lead to contamination of the land proposed for development, due to their low recorded impact and distance from the site.

Table 5: Pollution incidents from nearby industry. Since 2006, this data has only included category 1 (Major) and 2 (significant) incidents

Location / Year	Pollutant Description	Impacts
145m SE / 2002	Contaminated water - Suspended solids	Water – 3 (minor) Land Impact –4 (no impact) Air Impact – 4 (no impact)
209m NW / 2003	Atmospheric – dust	Water Impact – 3 (minor) Land impact – 4 (no impact) Air impact – 4 (No impact)

4.6.4 Dangerous or Radioactive releases

According to the Insight report, there have been no List 1 & 2 dangerous substance releases and no radioactive incidents occurring within 250m of the site.

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4.6.5 Industrial Land Use

No records of Part A(1) installations are recorded for within 250m of the proposed development. The service station immediately east of the proposed CNG site is recorded under Part B of the Environmental Permitting Regulations.

4.6.6 Radon

BGS data obtained through the Insight Report shows that less than 1% of homes are above the action trigger level. No radon protection measures are required.

4.6.7 Soil Chemistry

BGS estimated background soil data is recorded for the site. Ranges for the potentially harmful elements Arsenic, Cadmium, Chromium, Copper, Lead and Nickel in topsoil are given in Table 6.

Table 6: BGS Estimated Background Soil Chemistry. Summary of all on-site records

Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 – 60 mg/kg	15 – 30 mg/kg

4.6.8 Other Contamination Issues

No other contamination issues are identified for the proposed development.

4.7 Sensitive Land Uses

There is a nitrate vulnerable zone designated across the site.

The site borders the Birmingham Green Belt area.

CNG's proposed development is located in a SSSI Impact Risk Zone. However, it does not fall under the types of developments requiring consultation with respect to the associated SSSI.

Agricultural land to the south of the site is classed as Grade 3 – good to moderate quality agricultural land.

5 SOURCE - PATHWAY - RECEPTOR MODEL

5.1 General

This section uses the source - pathway - receptor approach to establish potential contaminants of concern, sources, pathways and receptors which may be a consequence of the site history, existing condition and related to the proposed development.

This information is used to develop a conceptual model which is used to understand potential sources of environmental pollution, how they are mobilised and the receptors which could be at risk. At the Preliminary Risk Assessment stage, this information remains qualitative and is used to assess which potential linkages should be investigated further.

5.1.1 Sources

Sources are where the contaminant arises from. They may either be a result of anthropogenic activity (e.g. fuel spillage), or naturally occurring (e.g. ground gases from geology). This report has investigated the environmental setting, past and previous land uses to best identify the potential sources. Point sources originate from single location, whereas diffuse sources develop from a larger area, making it harder to quantify the potential for contamination. When considering potential sources, it is also necessary to account for their potential lifetime.

5.1.2 Pathways

Potential pathways are the processes, such as environmental routes or human health exposure pathways which may mobilise contaminants from the source to the receptor. Table 7 contains common pathways to various receptors. Direct pathways are defined as routes which transport the contaminant straight from the source to the receptor. In this case there are unlikely to be any processes between source and receptor which can reduce the dose and thus mitigate any impact. On the other hand, indirect pathways deliver the contaminant to the receptor via multiple processes. Here there is the potential for losses to take place before contamination reaches the receptor, therefore we may expect the dose received is lower than the available quantity at the receptor.

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Table 7 contains common pathways which provide a link between sources and receptors. The pathways are grouped by their receptor.

Receptor	Direct Pathways	Indirect Pathways
Human Health	Dermal absorption Inhalation of soil & dust, or volatile compounds Soil ingestion	Plant uptake, followed by ingestion of the plant Passage to water which is then used for drinking water supplies Bioaccumulation in the food chain
Aquatic Environment	Surface runoff Leaching to groundwaters	Deposition on impermeable surfaces before mobilisation by surface runoff
Fauna	Root uptake Adsorption onto root and leaf surfaces	Volatilization from soils which allows uptake by foliage
Buildings & Construction	Contact with surfaces	Disturbance of ground gases which may leach into enclosed spaces.

5.1.3 Receptors

These are the entities which may be harmed by the contamination. The significance of a pollutant event can be assessed by considering the sensitivity of the receptor and magnitude of effect. Criteria for these are defined in Table 8 and Table 9.

Table 8 defines criteria for the sensitivity of a receptor

Sensitivity	Criteria
1 - High	The receptor is at elevated vulnerability to decline, beneficial at a national or regional scale, or has limited potential for replacement/remediation
2 - Medium	The receptor is at moderate vulnerability to decline, beneficial below a regional scale, or has some potential for replacement/remediation
3 - Low	The receptor is at low vulnerability to decline, beneficial at local scales, or has good potential for replacement/remediation
4 - Negligible	The receptor is at very low vulnerability to decline, has negligible benefit, or can be quickly and easily replaced/remediated.

Table 9 defines criteria to understand the magnitude of effect that any pollutant linkage may cause

Magnitude	Criteria
1 – High	The change from the baseline conditions is measurable and this change constitutes total or major alteration to the conditions
2 – Medium	A measurable change with material alterations to the baseline conditions. May result in the loss of key features
3 - Low	Changes will be measurable and detectable, however any material alteration to the baseline conditions will be limited.
4 - Negligible	Any change compared to the baseline condition will be difficult to measure and not material.

These criteria make it possible to qualitatively evaluate the level of significance, using the matrix outlined in Table 10. This is provided for guidance only and any assessment should also account the likelihood of an effect occurring and confidence in the information used. For this preliminary risk assessment, it can be deemed useful for understanding which links to investigate further.

Table 10 defines a significance matrix, used to evaluate the significance of a potential linkage

		Magnitude of Effect			
		High	Medium	Low	Negligible
Sensitivity of Receptor	High	Major	Moderate	Minor	Insignificant
	Medium	Moderate	Moderate	Minor	Insignificant
	Low	Minor	Minor	Insignificant	Insignificant
	Negligible	Insignificant	Insignificant	Insignificant	Insignificant

5.2 Potential Sources of Contamination

5.2.1 BP Filling Station

A road vehicle servicing and repair garage and filling station is identified in the historical maps (post 1958 – 1967) and from current location plans. Priority contaminants for industrial land uses have been reviewed by DEFRA and a summary is given in CLR8; Priority contaminants for the assessment of land contains. The contaminants likely to be associated with the filling station are listed in the Table 11. This development is expected to be fitted with a suitable drainage network, designed to a significant storm event, to prevent contamination off the site.

Table 11 shows the important contaminants associated with past industrial land use identified for the development

Type	Road Vehicle Servicing; Garages and Filling Stations
Metals	Cr, Cu, Pb, Zn,
Semi-Metals and Non-Metals	N/A
Inorganic Chemicals	N/A
Organic Chemicals	Oil/fuel Hydrocarbons, Aromatic hydrocarbons, PAHs, Chlorinated aliphatic hydrocarbons, Organolead compounds
Other	Asbestos, pH

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5.2.2 Made Ground

No made ground is identified on the proposed development. However, this should be verified prior to any construction works taking place.

5.2.3 CNG Site Use

CNG Fuels sites distribute a compressed natural gas. This is lighter than air so is expected to disperse into the atmosphere, rather than into the local ground and water environment. HGV's on site will contain hydrocarbon oils, so any spillage will provide a potential source of contamination.

5.2.4 Soil Gases

The site is underlain by alluvial soils and Mercia mudstone. In this strata, gas is generated over geological timescales and is trapped in pore spaces due to limited transport (at low diffusion rates). Alluvial soils are not likely to generate hazardous gas flows and gas monitoring is not required.

5.2.5 Fertiliser use on existing arable land

It is perceivable that fertilisers may have been spread on the existing arable farmland the proposed development is situated on. Likely contaminants will consist of Nitrogen, Phosphorus and Potassium compounds. A potential source of contamination arises where certain compounds have bound to surface soils and have accumulated on the site.

5.3 Potential Pathways

The most common pathways listed in Table 7 are reviewed and those relevant to the proposed development are listed below.

5.3.1 Surface runoff

The development of a fuelling station on this parcel of land will increase the impermeable area of the site, which is expected to increase the proportion of surface runoff generated. Surface runoff is associated with the mobilisation of contaminants present on the surface and they will be transported with the rainfall towards drainage areas or waterbodies, either in solution or as suspended solids. Existing levels provided in the topographical survey show that the ground naturally drains towards the western corner of the site. However, the site will be designed with suitable levels and drainage to contain within the system storm events of a 1 in 30 year return period and contain within the site storm events of a 1 in 100 year + climate change uplift. Therefore, runoff is unlikely to exceed the site.

Areas of flood risk Zone 2 and 3 impede on the south western boundary of the site. During a significant storm event, flood levels have the potential to exceed the existing ground level at this edge of the site and provide a pathway for pollutants to leave the site.

5.3.2 Infiltration

Estimated rates for vertical movement of water in the superficial strata range from very low to high, and these are driven by intergranular flow. Therefore, infiltration will provide a potential pathway. This pathway is more feasible during the construction phase where soils are left exposed. Once the site is operational, it will predominantly be surfaced with impermeable concrete and any runoff captured in a drainage network.

Rates for infiltration through bedrock are estimated to be low. This strata is not likely to support pollutant migration.

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5.3.3 Inhalation / Ingestion

Site works will disturb soils on the site. Soil particles are expected to be vectors for any chemical and biological contamination on the site. Smaller particles may be mobile above ground level whilst construction workers are on site, especially around vehicle movements. Larger particles may be mobilised into the air by high wind. These can be inhaled by contractors on site. Furthermore, tools and materials moved around by contractors provide a media for particles to reach contractors gloves. From here they may be accidentally ingested by hand to mouth contact.

5.4 Potential Receptors

The environmental setting of the site has been used to inform the receptors around the proposed development which may be harmed by a pollutant that comes into contact.

5.4.1 Groundwater

Superficial strata and bedrock are classified as Secondary A and Secondary B aquifers respectively. These are capable of supporting groundwater at or below a local scale, however there are no active groundwater abstractions identified in the surrounding area.

Using the criteria in Table 8, the sensitivity of the groundwater receptor should be considered low.

5.4.2 Buildings, Services & Operators

There are no enclosed buildings on site where hazardous concentrations of gas compounds may accumulate.

Construction workers on the development have the potential to be exposed to contamination on the site. However, the risks can be mitigated by the use of suitable PPE. Referring to Table 8, sensitivity can therefore be considered low.

5.4.3 Surface Waters

The Sketchley Brook EA main river flows to the south of the site. Due to the superficial strata underlying the site (alluvium – sand, with clay and gravel), it is suspected that infiltration methods to discharge surface water from the site will not be feasible. Therefore, it is likely that these will instead be discharged into this watercourse, following treatment by a retention separator and swale. Consequently, the Sketchley Brook will be at risk where treatment of water leaving the site is insufficient.

The WFD water quality rating shows this watercourse has already been subject to decline. Chemical water rating is recorded as a fail for 2019. The drainage network will be designed to provide full treatment to runoff from the site. Therefore sensitivity of this receptor can be considered negligible.

5.4.4 Agricultural Land

Land to the south of the site is designated as Grade 3 agricultural land. Currently it is used as open pasture land for grazing. This implies it is beneficial at a local scale. Criteria in Table 8 suggest this receptor has low sensitivity to contamination.

5.5 Potentially Significant Pollutant Links

The identified potential sources of contamination, pathways and receptors are assessed in a preliminary conceptual model to establish plausible pollutant linkages. The criteria for this model are outlined in Tables 8-10. Potential links which are deemed significant are advised below.

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5.5.1 Link 1 – Surface runoff of contaminants from HGV's from impermeable area, towards agricultural land.

A potential source of contamination is identified for spillage of fuels and oils from HGV's. Surface runoff shall be contained by the drainage network during normal operation of the site. This is more likely to occur during construction works, before the drainage is in place. Any exceedance off the site shall flow towards Grade 3 agricultural land southwest of the site.

This receptor has a low sensitivity and using the criteria in Table 9, the impact of any linkage is likely to be low. Therefore, this linkage is considered insignificant and requires no further investigation.

5.5.2 Link 2 – Surface waters exceeding the impermeable site and infiltration to groundwater.

A potential source of contamination is identified for spillage of fuels and oils from HGV's. Any exceedance from off the site could enter the groundwater. This is more likely to occur during construction works, before the drainage is in place.

As stated in the section above, pollutant linkages transporting contamination offsite are not significant. The superficial strata is estimated to have very low to high permeability, so further investigation should be completed to assess this. Superficial strata and bedrock aquifers are deemed to have a low sensitivity, as identified in Section 5.4.1. Very limited quantities of pollutant are expected to reach the aquifer and will have a low impact. Therefore, this potential linkage is considered insignificant and no further investigation is necessary.

5.5.3 Link 3 – Inhalation / Ingestion of contaminated soils and dusts by construction workers.

site currently consists of open pasture land, where potential pollution from past fertiliser is identified. Soils and dusts will be mobilised during construction works by excavations and vehicle movements. Contractors working on the site may inhale smaller particles or ingest larger particles after hand to mouth contact.

The quantity of contamination present in the ground, however minimal quantities are likely to reach the receptor. As a result, the sensitivity and impact on the receptor to any exposure is considered low, this linkage is also considered insignificant.

6 RECOMMENDATIONS

6.1 Findings

An SPR conceptual model has been used to provide a preliminary risk assessment for contamination risks relevant to the development of a CNG biomethane fuelling station the land south of A5 Watling Street, Hinckley. Three linkages are investigated from potential sources, pathways and receptors are identified. It is found all linkages investigated are insignificant and do not need to be considered further.

6.2 Next Steps

6.2.1 Site Works

To fully assess the risks associated with contamination, we recommend a Phase 2 – Detailed Site Investigation is completed. This is required to confirm that that key factors used in the assessment of potential pollutant linkages confirm the information provided in the Insight report. The information gathered can also be used to inform the engineering design of the development.

Borehole Survey

A number of window sample boreholes should be installed across the site. Ground conditions should be recorded by an experienced engineer. Samples should be recovered for chemical, geotechnical and water quality testing.

A moderate risk of compressible deposits has been identified for the site. Therefore SPT testing in all boreholes must be completed to understand the consistency of loading capacities across the site and be sufficient to inform the design of any structures.

Trial Pits

Due to the moderate risk of compressible deposits on the site, it is suggested the results of the above borehole survey and SPT testing is verified by digging a series of trial pits across the site.

Chemical Testing

A sampling program, using samples gathered from the boreholes should be completed to understand the type and concentration of contaminants present on the site. A standard testing suite of common contaminants should be included.

Infiltration Testing

A minimum of two infiltration tests, using trial pits compliant with the guidance in BRE 365 should be completed to determine the permeability on-site.

Reporting

Any findings made in the Phase 2 – Detailed Site Investigation should be documented in a report.

6.2.2 Permit to discharge into watercourse

Where infiltration is proven not feasible by the site works, a connection to the watercourse is required to discharge restricted and treated surface water flows, the EA should be contacted to advise on any potential discharge permits required. Furthermore, any construction in close proximity to a main river may require permits in order to connect the required infrastructure (i.e. headwalls etc).

7 REFERENCES

- i. GOV.UK, Environment Agency, *Land Contamination Risk Assessment*, April 2021.
- ii. British Geological Survey (BGS), Superficial Deposits and Bedrock Geology Viewer.
- iii. Land Information System (LANDIS), Soilscales Viewer.
- iv. Environment Agency Groundwater Vulnerability Maps, DEFRA Magic Map.
- v. Groundsure Insights, *Enviro + Geo Insight Report*, December 2022.
- vi. CL:AIRE, A pragmatic approach to ground gas risk assessment, 2012
- vii. GOV.UK, Groundwater Source Protection Zones (SPZs), 2019
- viii. DeFRA and Environment Agency, *Potential Contaminants for the Assessment of Land*, 2002
- ix. National Library of Scotland, *Maps.nls.uk*, 2022

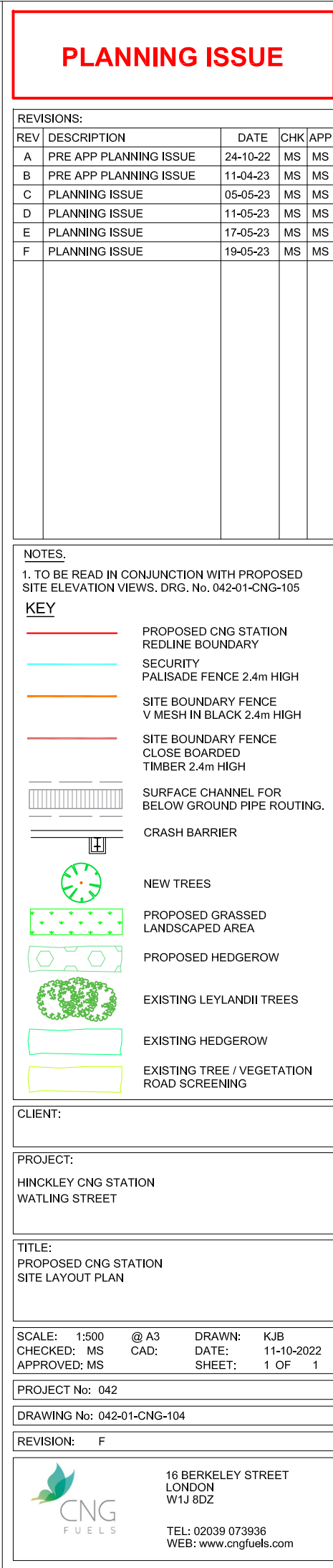
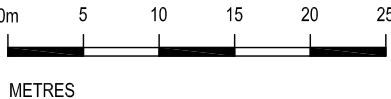
PRELIMINARY RISK ASSESSMENT

Land South of A5 Watling Street, Hinckley, LE10 3ED



Appendix A

Drawings



PLANNING ISSUE

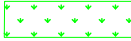
REVISIONS:

REV	DESCRIPTION	DATE	CHK	APP
A	PRE APP PLANNING ISSUE	24-10-22	MS	MS
B	PRE APP PLANNING ISSUE	11-04-23	MS	MS
C	PLANNING ISSUE	05-05-23	MS	MS
D	PLANNING ISSUE	11-05-23	MS	MS
E	PLANNING ISSUE	17-05-23	MS	MS
F	PLANNING ISSUE	19-05-23	MS	MS

NOTES.

1. TO BE READ IN CONJUNCTION WITH PROPOSED
SITE ELEVATION VIEWS. DRG. No. 042-01-CNG-105

KEY

	PROPOSED CNG STATION REDLINE BOUNDARY
	SECURITY PALISADE FENCE 2.4m HIGH
	SITE BOUNDARY FENCE V MESH IN BLACK 2.4m HIGH
	SITE BOUNDARY FENCE CLOSE BOARDED TIMBER 2.4m HIGH
	SURFACE CHANNEL FOR BELOW GROUND PIPE ROUTING.
	CRASH BARRIER
	NEW TREES
	PROPOSED GRASSED LANDSCAPED AREA
	PROPOSED HEDGEROW
	EXISTING LEYLANDII TREES
	EXISTING HEDGEROW
	EXISTING TREE / VEGETATION ROAD SCREENING

CLIENT:

PROJECT:

HINCKLEY CNG STATION
WATLING STREET

TITLE:

PROPOSED CNG STATION
SITE LAYOUT PLAN

SCALE: 1:500	@ A3	DRAWN: KJB
CHECKED: MS	CAD:	DATE: 11-10-2022
APPROVED: MS		SHEET: 1 OF 1

PROJECT No: 042

DRAWING No: 042-01-CNG-104

REVISION: F



16 BERKELEY STREET
LONDON
W1J 8DZ

TEL: 02039 073936
WEB: www.cngfuels.com

Appendix B
Historical Maps



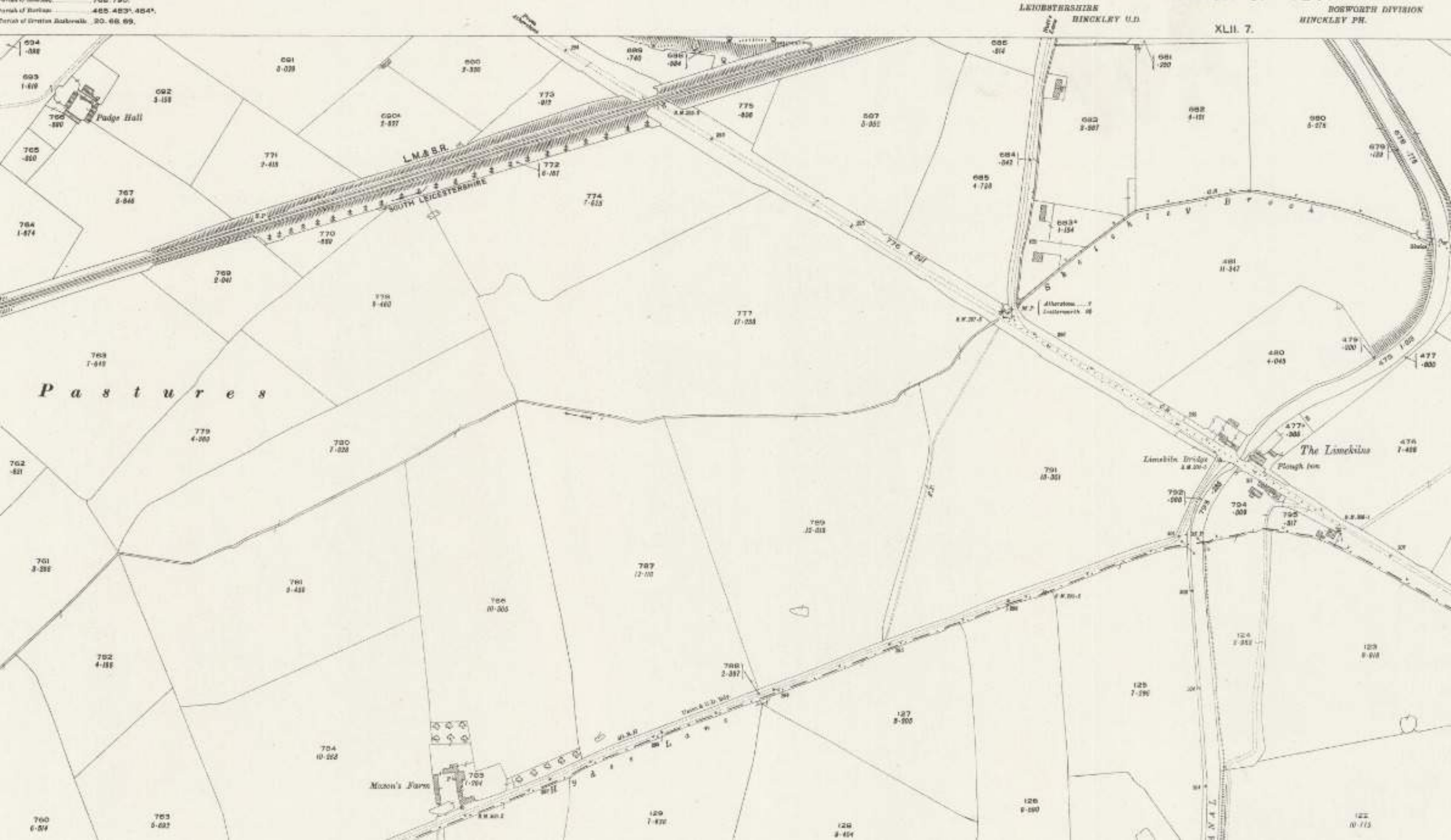


The following parcel numbers do not appear on this edition —
Parish of Micklethorp. 788, 790.
Parish of Buntingford. 485, 483, 484.
Parish of Greatton. 20, 68, 69.

EDITION OF 1924

BORWORTH DIVISION
HINCKLEY PH.

XLII. 7.



439970.6 m.F.



Revision of 1923 & partly Revised 1938 with additions in 1938.

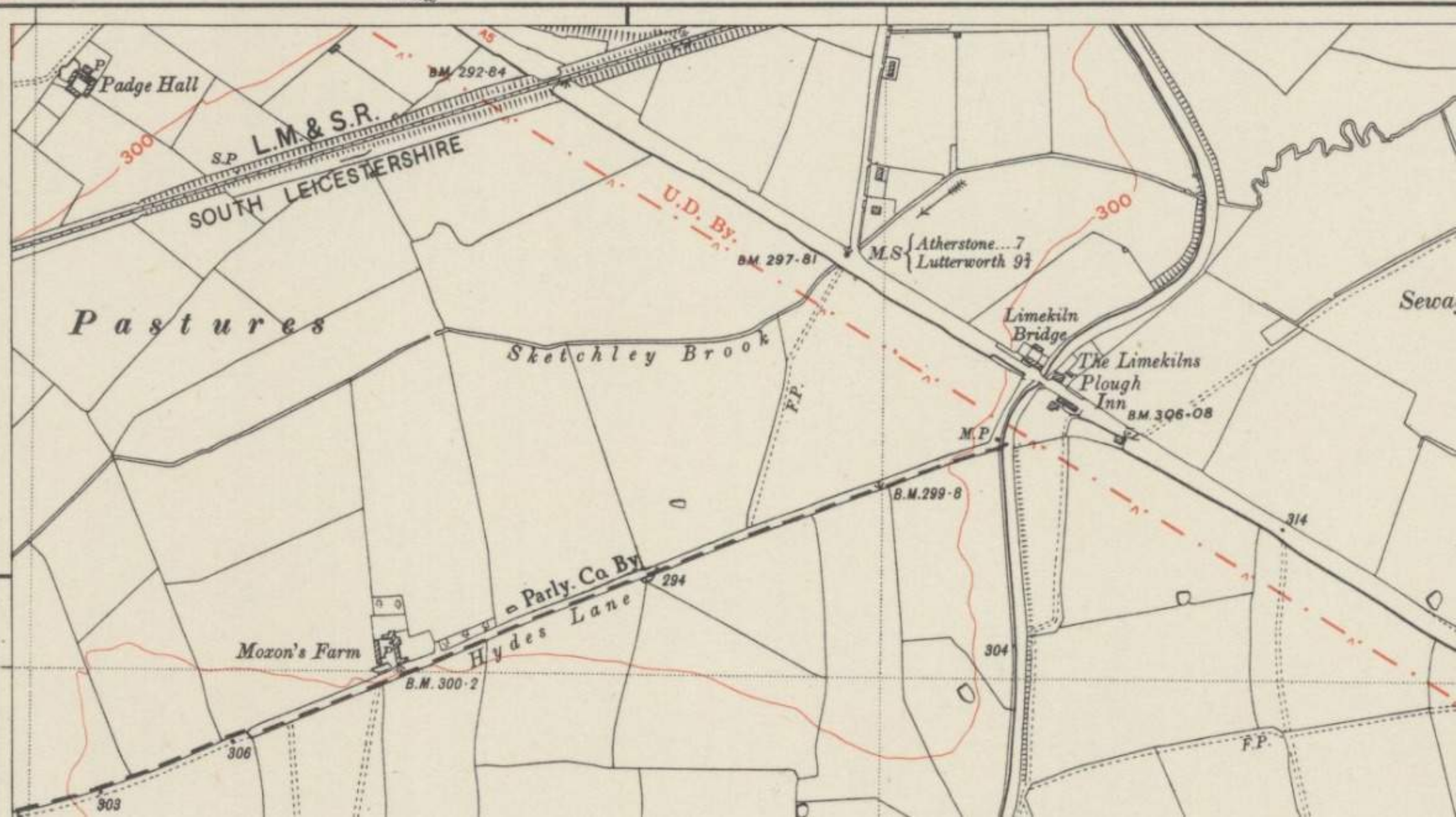
LEICESTER PARLY. CO.
BOSWORTH DIVISION

LEICESTER

From Atherstone

LON. 1° 24' W.

41







PRELIMINARY RISK ASSESSMENT

Land South of A5 Watling Street, Hinckley, LE10 3ED



Appendix C

Groundsure Enviro + Geo Insight Report

440754 , 292567,

Order Details

Date: 13/12/2022
Your ref: P9299_PO1514
Our Ref: GS-9255230

Site Details

Location: 440753 292572
Area: 0.94 ha
Authority: [Hinckley and Bosworth Borough Council](#),
[Rugby Borough Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	Historical industrial land uses	1	1	2	21	-
16	1.2	Historical tanks	0	2	0	0	-
16	1.3	Historical energy features	0	0	0	4	-
17	1.4	Historical petrol stations	0	0	0	0	-
17	1.5	Historical garages	0	2	0	0	-
17	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
18	2.1	Historical industrial land uses	3	3	4	28	-
20	2.2	Historical tanks	0	2	0	0	-
20	2.3	Historical energy features	0	0	0	6	-
21	2.4	Historical petrol stations	0	0	0	0	-
21	2.5	Historical garages	0	2	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
22	3.1	Active or recent landfill	0	0	0	0	-
22	3.2	Historical landfill (BGS records)	0	0	0	0	-
23	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
23	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
23	3.5	Historical waste sites	0	0	5	1	-
25	3.6	Licensed waste sites	0	0	5	7	-
29	3.7	Waste exemptions	0	0	12	10	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
31	4.1	Recent industrial land uses	0	2	6	-	-
32	4.2	Current or recent petrol stations	1	0	0	0	-
32	4.3	Electricity cables	0	0	0	0	-
33	4.4	Gas pipelines	0	0	1	0	-
33	4.5	Sites determined as Contaminated Land	0	0	0	0	-



33	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
33	4.7	Regulated explosive sites	0	0	0	0	-
34	4.8	Hazardous substance storage/usage	0	0	0	0	-
34	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
34	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	0	0	14	-
37	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	1	0	2	-
37	4.12	Radioactive Substance Authorisations	0	0	0	0	-
38	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	0	3	-
38	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
38	4.15	Pollutant release to public sewer	0	0	0	0	-
39	4.16	List 1 Dangerous Substances	0	0	0	0	-
39	4.17	List 2 Dangerous Substances	0	0	0	0	-
39	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	2	11	-
41	4.19	<u>Pollution inventory substances</u>	0	0	0	2	-
47	4.20	<u>Pollution inventory waste transfers</u>	0	0	0	1	-
110	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
111	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
113	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
114	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
115	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
115	5.5	Groundwater vulnerability- local information	None (within 0m)				
116	5.6	<u>Groundwater abstractions</u>	0	0	0	0	23
121	5.7	<u>Surface water abstractions</u>	0	0	0	2	1
122	5.8	Potable abstractions	0	0	0	0	0
123	5.9	Source Protection Zones	0	0	0	0	-
123	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
124	6.1	<u>Water Network (OS MasterMap)</u>	0	0	8	-	-



125	6.2	<u>Surface water features</u>	0	0	7	-	-
125	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
126	6.4	<u>WFD Surface water bodies</u>	0	0	1	-	-
126	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
127	7.1	<u>Risk of flooding from rivers and the sea</u>	Medium (within 50m)				
128	7.2	Historical Flood Events	0	0	0	-	-
128	7.3	Flood Defences	0	0	0	-	-
128	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
128	7.5	Flood Storage Areas	0	0	0	-	-
129	7.6	<u>Flood Zone 2</u>	Identified (within 50m)				
130	7.7	<u>Flood Zone 3</u>	Identified (within 50m)				
Page	Section	Surface water flooding					
131	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding					
133	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
134	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
135	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
135	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
135	10.4	Special Protection Areas (SPA)	0	0	0	0	0
135	10.5	National Nature Reserves (NNR)	0	0	0	0	0
136	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
136	10.7	Designated Ancient Woodland	0	0	0	0	0
136	10.8	Biosphere Reserves	0	0	0	0	0
136	10.9	Forest Parks	0	0	0	0	0
137	10.10	Marine Conservation Zones	0	0	0	0	0
137	10.11	<u>Green Belt</u>	1	0	0	0	1
137	10.12	Proposed Ramsar sites	0	0	0	0	0



137	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
138	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
138	10.15	Nitrate Sensitive Areas	0	0	0	0	0
138	10.16	<u>Nitrate Vulnerable Zones</u>	1	0	0	0	0
139	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
140	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
141	11.1	World Heritage Sites	0	0	0	-	-
141	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
141	11.3	National Parks	0	0	0	-	-
141	11.4	Listed Buildings	0	0	0	-	-
142	11.5	Conservation Areas	0	0	0	-	-
142	11.6	Scheduled Ancient Monuments	0	0	0	-	-
142	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
143	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
144	12.2	Open Access Land	0	0	0	-	-
144	12.3	Tree Felling Licences	0	0	0	-	-
144	12.4	Environmental Stewardship Schemes	0	0	0	-	-
145	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
146	13.1	<u>Priority Habitat Inventory</u>	0	0	2	-	-
147	13.2	Habitat Networks	0	0	0	-	-
147	13.3	Open Mosaic Habitat	0	0	0	-	-
147	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
148	14.1	<u>10k Availability</u>	Identified (within 500m)				
149	14.2	<u>Artificial and made ground (10k)</u>	0	0	1	0	-
150	14.3	<u>Superficial geology (10k)</u>	1	0	1	1	-

151	14.4	Landslip (10k)	0	0	0	0	-
152	14.5	<u>Bedrock geology (10k)</u>	1	0	0	0	-
153	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
154	15.1	<u>50k Availability</u>	Identified (within 500m)				
155	15.2	Artificial and made ground (50k)	0	0	0	0	-
155	15.3	Artificial ground permeability (50k)	0	0	-	-	-
156	15.4	<u>Superficial geology (50k)</u>	1	0	1	1	-
157	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
157	15.6	Landslip (50k)	0	0	0	0	-
157	15.7	Landslip permeability (50k)	None (within 50m)				
158	15.8	<u>Bedrock geology (50k)</u>	1	0	0	0	-
159	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
159	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
160	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence					
161	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
162	17.2	<u>Running sands</u>	Low (within 50m)				
163	17.3	<u>Compressible deposits</u>	Moderate (within 50m)				
164	17.4	<u>Collapsible deposits</u>	Negligible (within 50m)				
165	17.5	<u>Landslides</u>	Very low (within 50m)				
166	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
168	18.1	Natural cavities	0	0	0	0	-
168	18.2	BritPits	0	0	0	0	-
168	18.3	Surface ground workings	0	0	0	-	-
168	18.4	Underground workings	0	0	0	0	0
169	18.5	Historical Mineral Planning Areas	0	0	0	0	-

169	18.6	Non-coal mining	0	0	0	0	0
169	18.7	Mining cavities	0	0	0	0	0
169	18.8	JPB mining areas	None (within 0m)				
169	18.9	Coal mining	None (within 0m)				
170	18.10	Brine areas	None (within 0m)				
170	18.11	Gypsum areas	None (within 0m)				
170	18.12	Tin mining	None (within 0m)				
170	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>171</u>	<u>19.1</u>	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>173</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	1	1	-	-	-
173	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
173	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
174	21.1	Underground railways (London)	0	0	0	-	-
174	21.2	Underground railways (Non-London)	0	0	0	-	-
175	21.3	Railway tunnels	0	0	0	-	-
175	21.4	Historical railway and tunnel features	0	0	0	-	-
175	21.5	Royal Mail tunnels	0	0	0	-	-
<u>175</u>	<u>21.6</u>	<u>Historical railways</u>	0	0	3	-	-
<u>176</u>	<u>21.7</u>	<u>Railways</u>	0	0	7	-	-
176	21.8	Crossrail 1	0	0	0	0	-
176	21.9	Crossrail 2	0	0	0	0	-
177	21.10	HS2	0	0	0	0	-

Recent aerial photograph



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Capture Date: 16/04/2020

Site Area: 0.94ha



Recent site history - 2017 aerial photograph



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Capture Date: 22/09/2017

Site Area: 0.94ha



Recent site history - 2010 aerial photograph



Capture Date: 03/06/2010

Site Area: 0.94ha



Recent site history - 2008 aerial photograph



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Capture Date: 20/09/2008

Site Area: 0.94ha



Recent site history - 1999 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2022. All Rights Reserved.

Capture Date: 27/10/1999

Site Area: 0.94ha



OS MasterMap site plan



Site Area: 0.94ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

25

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 14**

ID	Location	Land use	Dates present	Group ID
A	On site	Garage	1968 - 1983	1783079



ID	Location	Land use	Dates present	Group ID
1	36m NW	Unspecified Works	1968 - 1983	1815114
2	152m NW	Unspecified Works	1968 - 1983	1839585
B	239m NE	Unspecified Commercial/Industrial	1938	1752967
C	261m E	Unspecified Depot	1983	1763800
B	264m NE	Unspecified Disused Works	1968	1760555
B	265m NE	Electric Power Station	1923	1750485
B	297m NE	Sand Pit	1923	1753404
B	298m NE	Unspecified Heap	1950	1756478
B	301m NE	Refuse Heap	1938	1770532
B	310m E	Unspecified Works	1977	1771273
B	311m NE	Railway Sidings	1923 - 1938	1788510
B	315m NE	Railway Sidings	1938	1848050
B	316m NE	Railway Sidings	1950	1789437
B	317m NE	Railway Sidings	1923	1829482
D	380m SE	Lime Kilns	1901	1783777
D	396m SE	Lime Kiln	1923	1779069
E	401m NW	Cuttings	1886	1788405
D	430m SE	Lime Kilns	1950 - 1983	1819594
D	430m SE	Lime Kilns	1938	1799682
5	434m N	Unspecified Wharf	1886	1769342
E	436m NW	Cuttings	1901 - 1938	1824080
E	463m NW	Cuttings	1950	1811570
6	468m NE	Brick and Tile Works	1886 - 1901	1804031
7	475m NE	Unspecified Wharf	1901	1827520

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

2

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 14**

ID	Location	Land use	Dates present	Group ID
A	4m SE	Unspecified Tank	1987	297781
A	6m E	Unspecified Tank	1962	298716

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

4

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 14**

ID	Location	Land use	Dates present	Group ID
B	260m NE	Electric Power Station	1924	171553
3	334m S	Gas Governor	1996	171468
4	346m NE	Electricity Substation	1976 - 1993	174249
C	387m E	Electricity Substation	1976 - 1993	181868

This data is sourced from Ordnance Survey / Groundsure.



1.4 Historical petrol stations

Records within 500m**0**

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'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m**2**

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'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
A	0m E	Garage	1987	56269
A	2m E	Garage	1962	55353

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m**0**

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.

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 garages

2.1 Historical industrial land uses

Records within 500m

38

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 18**

ID	Location	Land Use	Date	Group ID
A	On site	Garage	1977	1783079
A	On site	Garage	1983	1783079
A	On site	Garage	1968	1783079

ID	Location	Land Use	Date	Group ID
B	36m NW	Unspecified Works	1977	1815114
B	36m NW	Unspecified Works	1983	1815114
B	36m NW	Unspecified Works	1968	1815114
C	152m NW	Unspecified Works	1977	1839585
C	152m NW	Unspecified Works	1983	1839585
C	152m NW	Unspecified Works	1968	1839585
D	239m NE	Unspecified Commercial/Industrial	1938	1752967
E	261m E	Unspecified Depot	1983	1763800
D	264m NE	Unspecified Disused Works	1968	1760555
D	265m NE	Electric Power Station	1923	1750485
D	297m NE	Sand Pit	1923	1753404
D	298m NE	Unspecified Heap	1950	1756478
D	301m NE	Refuse Heap	1938	1770532
D	310m E	Unspecified Works	1977	1771273
D	311m NE	Railway Sidings	1938	1788510
D	313m NE	Railway Sidings	1923	1788510
D	315m NE	Railway Sidings	1938	1848050
D	316m NE	Railway Sidings	1950	1789437
D	317m NE	Railway Sidings	1923	1829482
G	380m SE	Lime Kilns	1901	1783777
G	396m SE	Lime Kiln	1923	1779069
H	401m NW	Cuttings	1886	1788405
G	430m SE	Lime Kilns	1950	1819594
G	430m SE	Lime Kilns	1938	1799682
G	434m SE	Lime Kilns	1977	1819594
G	434m SE	Lime Kilns	1983	1819594
G	434m SE	Lime Kilns	1968	1819594
2	434m N	Unspecified Wharf	1886	1769342



ID	Location	Land Use	Date	Group ID
H	436m NW	Cuttings	1938	1824080
H	436m NW	Cuttings	1923	1824080
H	436m NW	Cuttings	1901	1824080
H	463m NW	Cuttings	1950	1811570
I	468m NE	Brick and Tile Works	1901	1804031
3	475m NE	Unspecified Wharf	1901	1827520
I	486m NE	Brick and Tile Works	1886	1804031

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

2

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 18**

ID	Location	Land Use	Date	Group ID
A	4m SE	Unspecified Tank	1987	297781
A	6m E	Unspecified Tank	1962	298716

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

6

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 18**

ID	Location	Land Use	Date	Group ID
D	260m NE	Electric Power Station	1924	171553
1	334m S	Gas Governor	1996	171468



ID	Location	Land Use	Date	Group ID
F	346m NE	Electricity Substation	1976	174249
F	347m NE	Electricity Substation	1993	174249
E	387m E	Electricity Substation	1976	181868
E	387m E	Electricity Substation	1993	181868

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0
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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'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	2
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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'.

Features are displayed on the Past land use - un-grouped map on **page 18**

ID	Location	Land Use	Date	Group ID
A	0m E	Garage	1987	56269
A	2m E	Garage	1962	55353

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m**0**

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m**0**

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

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

3.5 Historical waste sites

Records within 500m**6**

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

Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Address	Further Details	Date
A	151m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1996
A	185m NW	Site Address: Watling Street, HINCKLEY, Leicestershire, LE10 3HZ	Type of Site: Waste Transfer Station Planning application reference: 96/00251 Description: An application (ref: 96/00251) for Detailed Planning permission was submitted to Hinckley & Bosworth B.C. on 3rd April 1996. Data source: Historic Planning Application Data Type: Point	-
A	213m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1987



ID	Location	Address	Further Details	Date
A	223m NW	Site Address: Hinckley Service Centre, Watling Street, HINCKLEY, Leicestershire, LE10 3ED	Type of Site: Waste Transfer Station Planning application reference: R08/0788/CM Description: Scheme comprises construction of recovery and transfer building, improvements to office building, provision of designated vehicle and car-parking, relocation and construction of new materials recovery and storage building, the provision of open bays for metal segregation, relocation of weighbridge and wheel cleaning facilities, provision of security palisade fencing, site drainage improvements and hard standings. Construction - black top surfacing, drain covers, fencing, hardcore site works. An application (ref: R08/0788/CM) for detailed planning permission was refused by Rugby B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	01/03/2009
A	230m NW	Site Address: Veolia ES Onyx Limited, Watling Street, HINCKLEY, Leicestershire, LE10 3ED	Type of Site: Waste Transfer Building Planning application reference: 08/00510/C Description: Scheme comprises improvement scheme including new waste recovery and transfer building, improvements to office, parking, metals recovery, weighbridge, wheel cleaning, fencing, drainage and hard standing (2008/C265/04). The associated works include access roads, enabling, sewer systems, infrastructure and landscaping. Construction - pitched roof; carpets, in situ concrete, linoleum/vinyl, raised access, tiled floor; aluminium framed, double glazed windows; fire, industrial doors (unspecified), revolving sliding folding, timber doors; passenger lifts; air conditioned heating; concrete strip, pad foundations; portal, pre-cast concrete, steel frame; black top surfacing, block paving, drain covers, fencing, hardcore, kerbing, lighting columns, manholes, road signage, Tarmac surfacing, white lining site works; access controls, bathroom, emergency lighting, fire alarm system, fire escapes, sprinkler system fittings; rainwater goods (upvc) architectural hardware. An application (ref: 08/00510/C) for detailed planning permission was granted by Hinckley & Bosworth B.C. This scheme is now complete Data source: Historic Planning Application Data Type: Point	16/11/2009



ID	Location	Address	Further Details	Date
A	273m W	Site Address: Scrapyard, A5 Watling Street, HINCKLEY, Leicestershire, LE10 3ED	Type of Site: Waste Transfer Building Planning application reference: 95/00804 Description: An application (ref: 95/00804) for Detailed Planning permission was submitted to Hinckley & Bosworth B.C. on 31st October 1995. Construction - 1 industrial doors. Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m	12
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Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Details		
C	213m NW	Site Name: Watling Street Transfer Station Site Address: Watling Street, Hinckley, Leicester, Leicestershire, LE10 3ED Correspondence Address: -	Type of Site: 75kte HCl Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ICW001 EPR reference: MP3597FG/V002 Operator: I C Woodward & Son Ltd Waste Management licence No: 42644 Annual Tonnage: 74999	Issue Date: 30/09/1996 Effective Date: - Modified: 14/05/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	213m NW	Site Name: Watling Street Transfer Station Site Address: Land/premises At, Watling Street, Hinckley, Leicester, Leicestershire, LE10 3ED Correspondence Address: -	Type of Site: 75kte HCl Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: VEO138 EPR reference: EA/EPR/MP3499VB/T001 Operator: Veolia E S (U K) Ltd Waste Management licence No: 42644 Annual Tonnage: 74999	Issue Date: 30/09/1996 Effective Date: 21/09/2010 Modified: 14/05/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred



ID	Location	Details		
C	213m NW	Site Name: Watling Street Transfer Station Site Address: Land/premises At, Watling Street, Hinckley, Leicester, Leicestershire, LE10 3ED Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: VEO138 EPR reference: EA/EPR/MP3499VB/V002 Operator: Veolia E S (U K) Limited Waste Management licence No: 42644 Annual Tonnage: 74999	Issue Date: 30/09/1996 Effective Date: 21/09/2010 Modified: 11/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	213m NW	Site Name: Watling Street Transfer Station Site Address: Land/premises At, Watling Street, Hinckley, Leicester, Leicestershire, LE10 3ED Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: VEO138 EPR reference: EA/EPR/MP3499VB/V002 Operator: Veolia E S (U K) Limited Waste Management licence No: 42644 Annual Tonnage: 74999	Issue Date: 30/09/1996 Effective Date: 21/09/2010 Modified: 11/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	214m NW	Site Name: Onyx - Hinckley Site Address: Watling Street, Hinckley, Leicester, Leicestershire, LE10 3ED Correspondence Address: Watling Street, Hinckley, Leicester, Leicestershire, LE10 3ED	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ICW001 EPR reference: - Operator: I C Woodward & Son Ltd Waste Management licence No: 42644 Annual Tonnage: 74999	Issue Date: 30/09/1996 Effective Date: - Modified: 20/09/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
A	264m NW	Site Name: Midco Environmental Ltd Site Address: Technical Service Centre, Watling Street, Hinckley, Leicestershire, LE10 3ED Correspondence Address: Technical Service Centre, Watling Street, Hinckley, Leicestershire, LE10 3ED	Type of Site: Special Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MID015 EPR reference: - Operator: Midco Environmental Ltd Waste Management licence No: 40065 Annual Tonnage: 60000	Issue Date: 20/09/2002 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	264m NW	Site Name: Credential Environmental Ltd Site Address: Technical Service Centre, Watling Street, Hinckley, Leics, LE10 3ED Correspondence Address: The Technical Service Centre, Watling Street, Hinckley, Leics, LE10 3ED	Type of Site: Special Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MID015 EPR reference: - Operator: Credential Environmental Ltd Waste Management licence No: 40065 Annual Tonnage: 0	Issue Date: 20/09/2002 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: IPPC
A	264m NW	Site Name: Hinckley Hazardous Waste Transfer Station Site Address: Land/premises At, Watling Street, Hinckley, Leicestershire, LE10 3ED Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AUG003 EPR reference: EA/EPR/DP3796EQ/V002 Operator: Augean Treatment Ltd Waste Management licence No: 40065 Annual Tonnage: 60000	Issue Date: 20/09/2002 Effective Date: 05/09/2007 Modified: 13/11/2009 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
A	264m NW	Site Name: Midco Environmental Limited Site Address: Technical Service Centre, Watling Street, Hinckley, Leics, LE10 3ED Correspondence Address: 4 Rudgate Court, Walton, Wetherby, West Yorkshire, Ls23 7fb	Type of Site: Special Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AUG003 EPR reference: - Operator: Augean Treatment Limited Waste Management licence No: 40065 Annual Tonnage: 60000	Issue Date: 20/09/2002 Effective Date: 05/09/2007 Modified: 20/09/2005 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
A	264m NW	Site Name: Hinckley Hazardous Waste Transfer Station, The Technical Service Centre Site Address: - Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GEL007 EPR reference: EA/EPR/BB3509MA/V003 Operator: Greenway Environmental Limited Waste Management licence No: 40065 Annual Tonnage: 60000	Issue Date: 20/09/2002 Effective Date: 27/05/2014 Modified: 31/01/2022 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC
E	304m E	Site Name: Western Power Distribution Site Address: Western Power Distribution, Hammonds Way, Hinckley, LE10 3EJ Correspondence Address: -	Type of Site: Storage of electrical insulating oils Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WES712 EPR reference: EA/EPR/DB3502XW/A001 Operator: Western Power Distribution (East Midlands) Plc Waste Management licence No: 402832 Annual Tonnage: 499	Issue Date: 09/12/2015 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
E	304m E	Site Name: Western Power Distribution Site Address: Western Power Distribution, Hammonds Way, Hinckley, Leicestershire, LE10 3EJ Correspondence Address: -	Type of Site: Storage of electrical insulating oils Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WES712 EPR reference: EA/EPR/DB3502XW/A001 Operator: Western Power Distribution (East Midlands) Plc Waste Management licence No: 402832 Annual Tonnage: 499	Issue Date: 09/12/2015 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m	22
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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 22**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	209m NW	WATLING STREET, HINCKLEY, LE10 3ED	WEX310975	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
A	209m NW	WATLING STREET, HINCKLEY, LE10 3ED	WEX170263	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	209m NW	WATLING STREET HINCKLEY LE10 3ED	WEX005527	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	210m NE	NUTTS LANE, HINCKLEY, LE10 3EG	WEX312731	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
B	210m NE	NUTTS LANE, HINCKLEY, LE10 3EG	WEX312731	Storing waste exemption	Not on a Farm	Storage of waste in secure containers
B	210m NE	NUTTS LANE, HINCKLEY, LE10 3EG	WEX182439	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	210m NE	NUTTS LANE, HINCKLEY, LE10 3EG	WEX182439	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	210m NE	E.ON, NUTTS LANE, HINCKLEY, LE10 3EG	WEX136648	Storing waste exemption	Not on a farm	Storage of waste in secure containers



ID	Location	Site	Reference	Category	Sub-Category	Description
B	210m NE	E.ON, NUTTS LANE, HINCKLEY, LE10 3EG	WEX136648	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	226m NE	Nutts Lane, Hinkley, Leics, LE10 3EG	EA/EPR/VP378 5CC/A001	Treating waste exemption	Non-Agricultural Waste Only	Repair or refurbishment of WEEE
B	226m NE	EON Highways Lighting Nutts Lane Hinckley Leicestershire LE10 3EG	EPR/FH0171C M/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
B	226m NE	EON Highways Lighting Nutts Lane Hinckley Leicestershire LE10 3EG	EPR/FH0171C M/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
D	282m NE	NUTTS LANE, HINCKLEY, LE10 3EG	WEX033630	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	282m NE	NUTTS LANE, HINCKLEY, LE10 3EG	WEX033630	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	296m W	Veolia ES (UK) Ltd Watling Street HINCKLEY Leicestershire LE10 3ED	EPR/SF0332AZ /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Recovery of scrap metal
A	296m W	Veolia ES (UK) Ltd Watling Street HINCKLEY Leicestershire LE10 3ED	EPR/SF0332AZ /A001	Using waste exemption	Non-Agricultural Waste Only	Use of depolluted end-of-life vehicles for vehicle parts
1	306m NE	Production Nutts Lane HINCKLEY Leicestershire LE10 3QQ	EPR/CF0033V N/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
2	362m E	KILN Power limited, Unit 6, Lime Kilns Business Park, Hinkley, LE10 3EQ	WEX236933	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	362m NE	KILN Power limited, Unit 6, Lime Kilns business park, Hinkley, LE10 3EQ	WEX135055	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	362m NE	NUTTS LANE, HINCKLEY, LE10 3QQ	WEX231186	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	362m NE	NUTTS LANE, HINCKLEY, LE10 3QQ	WEX084002	Storing waste exemption	Not on a farm	Storage of waste in a secure place
3	447m NE	WPD Hinckley, Nutts Lane, Hammonds Way, Hinckley, LE10 3EJ	WEX275979	Storing waste exemption	Not on a farm	Storage of waste in a secure place

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- △ Current or recent petrol stations
- Gas pipelines
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m

8

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 31**

ID	Location	Company	Address	Activity	Category
A	4m E	Rss Hinckley A5 Northbound	Watling Street, Hinckley, Leicestershire, LE10 3JA	Petrol and Fuel Stations	Road and Rail
A	26m SE	Rss Hinckley A5 Northbound	Watling Street, Hinckley, Leicestershire, LE10 3JA	Vehicle Cleaning Services	Personal, Consumer and Other Services



ID	Location	Company	Address	Activity	Category
3	128m E	D Allen & Sons	Green Belt Bungalow, Nutts Lane, Hinckley, Leicestershire, LE10 3EG	Distribution and Haulage	Transport, Storage and Delivery
4	140m SE	Pylon	Warwickshire, LE10	Electrical Features	Infrastructure and Facilities
B	166m E	Gas Governor Station	Leicestershire, LE10	Gas Features	Infrastructure and Facilities
C	212m NW	Veolia Environnement	Veolia Es UK Limited, Watling Street, Hinckley, Warwickshire, LE10 3ED	Waste Collection, Processing and Disposal Equipment	Industrial Products
D	215m E	Pylon	Leicestershire, LE10	Electrical Features	Infrastructure and Facilities
D	234m E	Electricity Distribution Site	Leicestershire, LE10	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 31**

ID	Location	Company	Address	LPG	Status
1	On site	BP	Watling Street, Hinckley, Leicestershire, LE10 3ED	No	Open

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**1**

High pressure underground gas transmission pipelines.

Features are displayed on the Current industrial land use map on **page 31**

ID	Location	Pipe Name	Details	
2	103m SW	ALREWAS TO CHURCHOVE R	Pipe Number: - Pipeline Safety Regulations Number: - Ownership: National Grid Maximum Operating Pressure (Bar): -	Pipeline Diameter (mm): 900 Wall Thickness (mm): - Year of commission: Not specified Abandonment Status: Not abandoned

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**0**

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.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.



4.8 Hazardous substance storage/usage

Records within 500m

0

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.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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.

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

14

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 31**

ID	Location	Details	
E	302m NW	Operator: GREENWAY ENVIRONMENTAL LIMITED Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION EPR/SP3832VR 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: SP3832VR Original Permit Number: SP3832VR	EPR Reference: - Issue Date: 27/05/2014 Effective Date: 27/05/2014 Last date noted as effective: 02/11/2022 Status: SUPERCEDED
E	302m NW	Operator: AUGEAN TREATMENT LTD Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: BP3838KL Original Permit Number: LP3136LD	EPR Reference: - Issue Date: 01/06/2010 Effective Date: 01/06/2010 Last date noted as effective: 02/11/2022 Status: SUPERCEDED



ID	Location	Details	
E	302m NW	Operator: AUGEAN TREATMENT LTD Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: LP3136LD Original Permit Number: LP3136LD	EPR Reference: - Issue Date: 06/02/2007 Effective Date: 06/02/2007 Last date noted as effective: 02/11/2022 Status: SUPERCEDED
E	302m NW	Operator: CREDENTIAL ENVIRONMENTAL LTD Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: AP3637SM Original Permit Number: AP3637SM	EPR Reference: - Issue Date: 28/04/2006 Effective Date: 28/04/2006 Last date noted as effective: 02/11/2022 Status: SUPERCEDED
E	302m NW	Operator: GREENWAY ENVIRONMENTAL LIMITED Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION EPR/SP3832VR Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: SP3832VR Original Permit Number: SP3832VR	EPR Reference: - Issue Date: 27/05/2014 Effective Date: 27/05/2014 Last date noted as effective: 02/11/2022 Status: SUPERCEDED
E	302m NW	Operator: GREENWAY ENVIRONMENTAL LIMITED Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION EPR/SP3832VR 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: SP3832VR Original Permit Number: SP3832VR	EPR Reference: - Issue Date: 27/05/2014 Effective Date: 27/05/2014 Last date noted as effective: 02/11/2022 Status: SUPERCEDED
E	302m NW	Operator: AUGEAN TREATMENT LTD Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: BP3838KL Original Permit Number: LP3136LD	EPR Reference: - Issue Date: 01/06/2010 Effective Date: 01/06/2010 Last date noted as effective: 02/11/2022 Status: SUPERCEDED
E	302m NW	Operator: AUGEAN TREATMENT LTD Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: LP3136LD Original Permit Number: LP3136LD	EPR Reference: - Issue Date: 06/02/2007 Effective Date: 06/02/2007 Last date noted as effective: 02/11/2022 Status: SUPERCEDED



ID	Location	Details	
E	302m NW	Operator: CREDENTIAL ENVIRONMENTAL LTD Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: AP3637SM Original Permit Number: AP3637SM	EPR Reference: - Issue Date: 28/04/2006 Effective Date: 28/04/2006 Last date noted as effective: 02/11/2022 Status: SUPERCEDED
E	302m NW	Operator: AUGEAN TREATMENT LTD Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: RP3332EE Original Permit Number: LP3136LD	EPR Reference: - Issue Date: 07/01/2014 Effective Date: 07/01/2014 Last date noted as effective: 02/11/2022 Status: SUPERCEDED
E	302m NW	Operator: AUGEAN TREATMENT LTD Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: RP3332EE Original Permit Number: LP3136LD	EPR Reference: - Issue Date: 07/01/2014 Effective Date: 07/01/2014 Last date noted as effective: 02/11/2022 Status: SUPERCEDED
E	302m NW	Operator: AUGEAN TREATMENT LTD Installation Name: HINCKLEY HAZARDOUS WASTE 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: RP3332EE Original Permit Number: LP3136LD	EPR Reference: - Issue Date: 07/01/2014 Effective Date: 07/01/2014 Last date noted as effective: 02/11/2022 Status: SUPERCEDED
E	302m NW	Operator: AUGEAN TREATMENT LTD Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: ZP3732UQ Original Permit Number: LP3136LD	EPR Reference: - Issue Date: 11/01/2008 Effective Date: 11/01/2008 Last date noted as effective: 02/11/2022 Status: SUPERCEDED



ID	Location	Details	
E	302m NW	Operator: AUGEAN TREATMENT LTD Installation Name: HINCKLEY HAZARDOUS WASTE TRANSFER STATION Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: ZP3732UQ Original Permit Number: LP3136LD	EPR Reference: - Issue Date: 11/01/2008 Effective Date: 11/01/2008 Last date noted as effective: 02/11/2022 Status: SUPERCEDED

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

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

Records within 500m	3
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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 31**

ID	Location	Address	Details	
A	20m E	Hinckley Service Station (formerly BP Snax 24 Service Station), Watling Street, Burbage, LE10 3ED	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
5	373m NE	All Makes Garage, Unit 5A Nutts Lane Industrial Estate, Nutts Lane, Hinckley, LE10 3EJ	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
7	428m E	Hammonds Furniture Ltd, Nutts Lane, Hinckley, LE10 3QQ	Process: Combustion & Incineration 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	0
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Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

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



4.13 Licensed Discharges to controlled waters

Records within 500m

3

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 31**

ID	Location	Address	Details	
6	375m E	NUTTS LANE STORES, HINCKLEY, LEICESTERSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: T/19/07463/T Permit Version: 1 Receiving Water: SKETCHLEY BROOK	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 12/12/1977 Effective Date: 12/12/1977 Revocation Date: -
10	473m E	LIME KILNS INN, WATLING STREET, BURBAGE, LEICESTERSHIRE, LE19 3ED	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: T/19/10207/S Permit Version: 1 Receiving Water: TRIBUTARY OF SKETCHLEY BROOK	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 25/10/1985 Effective Date: 25/10/1985 Revocation Date: -
11	474m E	PREMISES AT NUTTS LANE, HINCKLEY, LEICESTERSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: T/19/10906/T Permit Version: 1 Receiving Water: SKETCHLEY BROOK	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 12/11/1987 Effective Date: 12/11/1987 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

0

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.

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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.

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

13

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 31**

ID	Location	Details	
B	145m SE	Incident Date: 08/11/2002 Incident Identification: 119539 Pollutant: Contaminated Water Pollutant Description: Suspended Solids	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	209m NW	Incident Date: 14/04/2003 Incident Identification: 151057 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	281m NW	Incident Date: 05/02/2003 Incident Identification: 147677 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	283m NW	Incident Date: 21/01/2003 Incident Identification: 132379 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)



ID	Location	Details	
E	291m NW	Incident Date: 26/04/2002 Incident Identification: 74943 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	304m NW	Incident Date: 12/09/2002 Incident Identification: 107411 Pollutant: Atmospheric Pollutants and Effects:General Biodegradable Materials and Wastes Pollutant Description: Dust:Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	304m NW	Incident Date: 12/09/2002 Incident Identification: 107411 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	304m NW	Incident Date: 12/09/2002 Incident Identification: 107411 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	313m W	Incident Date: 23/11/2007 Incident Identification: 551076 Pollutant: Other Pollutant Pollutant Description: Radionucleid	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
8	441m NW	Incident Date: 23/08/2001 Incident Identification: 26285 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
9	448m N	Incident Date: 15/05/2003 Incident Identification: 158580 Pollutant: Organic Chemicals/Products Pollutant Description: Paints and Varnishes	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	466m NE	Incident Date: 02/10/2002 Incident Identification: 112083 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	466m NE	Incident Date: 11/09/2002 Incident Identification: 107251 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	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

2

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 31**

ID: E, Location: 302m NW, Permit: SP3832VR
 Operator: Greenway Environmental Limited
 Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
 Address: Hinckley Hazardous Waste Transfer Station Watling Street Hinckley Leicestershire LE10 3ED
 Sector: Hazardous Waste, Sub-sector: Hazardous Waste
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
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
Wastewater	Isoproturon	0.01kg	Below Reporting Threshold
Wastewater	Brominated diphenylethers - penta-, octa- and deca- BDE	0.1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
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
Wastewater	Pentachlorobenzene	0.1kg	Below Reporting Threshold
Wastewater	Perfluoro octanyl sulphate (PFOS)	0.1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
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
Air	Chromium	10kg	Below Reporting Threshold
Air	Copper	10kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
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
Air	Endrin	1kg	Below Reporting Threshold
Air	Hexachlorobenzene (HCB)	1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
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
Wastewater	Ethylene dichloride (1,2-Dichloroethane)	10kg	Below Reporting Threshold
Wastewater	Toluene	10kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
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
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

ID: E, Location: 302m NW, Permit: SP3832VR
 Operator: Greenway Environmental Limited
 Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
 Address: Hinckley Hazardous Waste Transfer Station Watling Street Hinckley Leicestershire LE10 3ED
 Sector: Hazardous Waste, Sub-sector: Hazardous Waste
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon Dioxide From Qualifying Renewable Fuel Sources	0kg	0kg

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

4.20 Pollution inventory waste transfers

Records within 500m	1
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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 31**

ID: E, Location: 302m NW, Permit: SP3832VR
 Operator: Greenway Environmental Limited
 Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
 Address: Hinckley Hazardous Waste Transfer Station Watling Street Hinckley Leicestershire LE10 3ED
 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)	0.6	Absolute Value	16 07 08	wastes containing oil	1
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.)	4.8	Absolute Value	16 07 08	wastes containing oil	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1	Absolute Value	16 07 08	wastes containing oil	1



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)	33.655	Absolute Value	16 07 08	wastes containing oil	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.545	Absolute Value	16 07 09	wastes containing other dangerous substances	1
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)	7.335	Absolute Value	16 07 09	wastes containing other dangerous substances	1
D10	Incineration on Land	0.022	Absolute Value	16 09 02	chromates, for example potassium chromate, potassium or sodium dichromate	1
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.)	3.365	Absolute Value	16 09 03	peroxides, for example hydrogen peroxide	1
D10	Incineration on Land	0.812	Absolute Value	16 09 03	peroxides, for example hydrogen peroxide	1
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)	0.1	Absolute Value	16 09 03	peroxides, for example hydrogen peroxide	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	7.04	Absolute Value	16 09 04	oxidising substances, not otherwise specified	1

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.)	5.12	Absolute Value	16 09 04	oxidising substances, not otherwise specified	1
D10	Incineration on Land	4.97	Absolute Value	16 09 04	oxidising substances, not otherwise specified	1
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)	3.085	Absolute Value	16 09 04	oxidising substances, not otherwise specified	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	19.585	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	1
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.)	61.88	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	1
D10	Incineration on Land	0.48	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	11.4	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	1
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)	39.265	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	1



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)	5.81	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	0
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.)	281.925	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	0
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)	3.8	Absolute Value	16 11 01	carbon-based linings and refractories from metallurgical processes containing dangerous substances	1
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	17 02 04	glass, plastic and wood containing or contaminated with dangerous substances	1
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)	15.699	Absolute Value	17 03 01	bituminous mixtures containing coal tar	1
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)	0.264	Absolute Value	17 03 03	coal tar and tarred products	1
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	17 04 10	cables containing oil, coal tar and other dangerous substances	1
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)	3.01	Absolute Value	17 05 03	soil and stones containing dangerous substances	1



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)	5.2	Absolute Value	17 06 03	other insulation materials consisting of or containing dangerous substances	1
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.)	0.6	Absolute Value	17 06 03	other insulation materials consisting of or containing dangerous substances	1
D10	Incineration on Land	0.06	Absolute Value	17 06 03	other insulation materials consisting of or containing dangerous substances	1
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)	1.5	Absolute Value	17 06 03	other insulation materials consisting of or containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2.01	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	1
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.)	26.674	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	1
D10	Incineration on Land	0.2	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	1
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)	158.603	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	1

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)	0.83	Absolute Value	20 01 13	solvents	1
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	20 01 14	acids	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	3.065	Absolute Value	20 01 14	acids	1
D10	Incineration on Land	0.032	Absolute Value	20 01 14	acids	1
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)	0.175	Absolute Value	19 02 04	premixed wastes composed of at least one hazardous waste	1
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	19 02 11	other wastes containing dangerous substances	1
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	19 08 10	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.02	Absolute Value	17 06 05	construction materials containing asbestos	1



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)	0.94	Absolute Value	17 06 05	construction materials containing asbestos	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.05	Absolute Value	17 09 03	other construction and demolition wastes (including mixed wastes) containing dangerous substances	1
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.)	0.785	Absolute Value	17 09 03	other construction and demolition wastes (including mixed wastes) containing dangerous substances	1
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)	2.555	Absolute Value	17 09 03	other construction and demolition wastes (including mixed wastes) containing dangerous substances	1
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)	10.872	Absolute Value	18 01 06	chemicals consisting of or containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.415	Absolute Value	08 04 11	adhesive and sealant sludges containing organic solvents or other dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	9.155	Absolute Value	08 04 11	adhesive and sealant sludges containing organic solvents or other dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	12.07	Absolute Value	08 04 11	adhesive and sealant sludges containing organic solvents or other dangerous substances	1



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)	2.255	Absolute Value	08 04 13	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances	1
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	08 04 15	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances	1
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	02 01 08	agrochemical waste containing dangerous substances	1
D10	Incineration on Land	1.22	Absolute Value	02 01 08	agrochemical waste containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.125	Absolute Value	02 01 08	agrochemical waste containing dangerous substances	1
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	02 01 08	agrochemical waste containing dangerous substances	1
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)	0.025	Absolute Value	03 02 01	non-halogenated organic wood preservatives	1
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)	0.025	Absolute Value	03 02 05	other wood preservatives containing dangerous substances	1



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)	0.2	Absolute Value	05 06 03	other tars	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.551	Absolute Value	06 01 01	sulphuric acid and sulphurous acid	1
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.)	17.961	Absolute Value	06 01 01	sulphuric acid and sulphurous acid	1
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)	0.433	Absolute Value	06 01 01	sulphuric acid and sulphurous acid	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.01	Absolute Value	06 01 02	hydrochloric acid	1
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.)	5.795	Absolute Value	06 01 02	hydrochloric acid	1
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)	0.211	Absolute Value	06 01 02	hydrochloric acid	1



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)	0.48	Absolute Value	06 01 03	hydrofluoric acid	1
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.)	0.015	Absolute Value	06 01 03	hydrofluoric acid	1
D10	Incineration on Land	0.018	Absolute Value	06 01 03	hydrofluoric acid	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.035	Absolute Value	06 01 04	phosphoric and phosphorous acid	1
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.)	5.925	Absolute Value	06 01 04	phosphoric and phosphorous acid	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.12	Absolute Value	06 01 04	phosphoric and phosphorous acid	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.853	Absolute Value	06 01 05	nitric acid and nitrous acid	1



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.)	11.145	Absolute Value	06 01 05	nitric acid and nitrous acid	1
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)	0.025	Absolute Value	06 01 05	nitric acid and nitrous acid	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.1	Absolute Value	06 01 06	other acids	1
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.)	24.58	Absolute Value	06 01 06	other acids	1
D10	Incineration on Land	0.034	Absolute Value	06 01 06	other acids	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.72	Absolute Value	06 01 06	other acids	1
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)	0.806	Absolute Value	06 01 06	other acids	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.025	Absolute Value	06 02 03	ammonium hydroxide	1



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.)	4.55	Absolute Value	06 02 03	ammonium hydroxide	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2.04	Absolute Value	06 02 04	sodium and potassium hydroxide	1
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.)	25.3	Absolute Value	06 02 04	sodium and potassium hydroxide	1
D10	Incineration on Land	0.04	Absolute Value	06 02 04	sodium and potassium hydroxide	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	2.45	Absolute Value	06 02 04	sodium and potassium hydroxide	1
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)	2.95	Absolute Value	06 02 04	sodium and potassium hydroxide	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.45	Absolute Value	06 02 05	other bases	1



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.)	4.255	Absolute Value	06 02 05	other bases	1
D10	Incineration on Land	0.015	Absolute Value	06 02 05	other bases	1
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)	1.855	Absolute Value	06 02 05	other bases	1
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	07 01 01	aqueous washing liquids and mother liquors	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.6	Absolute Value	07 01 01	aqueous washing liquids and mother liquors	1
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	07 01 01	aqueous washing liquids and mother liquors	1
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)	0.925	Absolute Value	07 01 03	organic halogenated solvents, washing liquids and mother liquors	1
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.)	0.115	Absolute Value	07 01 04	other organic solvents, washing liquids and mother liquors	1



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)	0.2	Absolute Value	07 01 04	other organic solvents, washing liquids and mother liquors	1
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)	14.43	Absolute Value	07 01 04	other organic solvents, washing liquids and mother liquors	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.2	Absolute Value	07 02 07	halogenated still bottoms and reaction residues	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.2	Absolute Value	07 02 07	halogenated still bottoms and reaction residues	1
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)	0.025	Absolute Value	07 02 08	other still bottoms and reaction residues	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	5	Absolute Value	07 02 13	waste plastic	0
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.)	5	Absolute Value	07 02 13	waste plastic	0

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)	1	Absolute Value	07 03 04	other organic solvents, washing liquids and mother liquors	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.2	Absolute Value	07 03 04	other organic solvents, washing liquids and mother liquors	1
D10	Incineration on Land	0.001	Absolute Value	07 05 13	solid wastes containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.2	Absolute Value	07 06 04	other organic solvents, washing liquids and mother liquors	1
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)	3.9	Absolute Value	07 06 04	other organic solvents, washing liquids and mother liquors	1
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	07 07 01	aqueous washing liquids and mother liquors	1
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)	0.08	Absolute Value	07 07 01	aqueous washing liquids and mother liquors	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.6	Absolute Value	07 07 03	organic halogenated solvents, washing liquids and mother liquors	1



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)	0.05	Absolute Value	07 07 04	other organic solvents, washing liquids and mother liquors	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.308	Absolute Value	07 07 04	other organic solvents, washing liquids and mother liquors	1
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)	4.8	Absolute Value	07 07 04	other organic solvents, washing liquids and mother liquors	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.075	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.74	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	1
D10	Incineration on Land	1.163	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	40.988	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	1
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)	171.978	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	1



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.)	157.206	Absolute Value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.105	Absolute Value	08 01 13	sludges from paint or varnish containing organic solvents or other dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	18.338	Absolute Value	08 01 13	sludges from paint or varnish containing organic solvents or other dangerous substances	1
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)	74.087	Absolute Value	08 01 13	sludges from paint or varnish containing organic solvents or other dangerous substances	1
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	08 01 15	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.2	Absolute Value	08 01 15	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	11.05	Absolute Value	08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15	0



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.)	19	Absolute Value	08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15	0
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	08 01 17	wastes from paint or varnish removal containing organic solvents or other dangerous substances	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	6	Absolute Value	08 01 17	wastes from paint or varnish removal containing organic solvents or other dangerous substances	1
D10	Incineration on Land	2.193	Absolute Value	08 01 17	wastes from paint or varnish removal containing organic solvents or other dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	4.46	Absolute Value	08 01 17	wastes from paint or varnish removal containing organic solvents or other dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	26	Absolute Value	08 01 17	wastes from paint or varnish removal containing organic solvents or other dangerous substances	1
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.)	14.23	Absolute Value	08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17	0

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 01 19	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	33.4	Absolute Value	08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19	0
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.)	20.23	Absolute Value	08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19	0
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 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19	0
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	08 01 21	waste paint or varnish remover	1
D10	Incineration on Land	0.05	Absolute Value	08 01 21	waste paint or varnish remover	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.9	Absolute Value	08 01 21	waste paint or varnish remover	1
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)	3.6	Absolute Value	08 01 21	waste paint or varnish remover	1



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)	5.263	Absolute Value	08 03 08	aqueous liquid waste containing ink	0
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.)	6	Absolute Value	08 03 08	aqueous liquid waste containing ink	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.81	Absolute Value	08 03 12	waste ink containing dangerous substances	1
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.)	0.265	Absolute Value	08 03 12	waste ink containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	11.64	Absolute Value	08 03 12	waste ink containing dangerous substances	1
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)	34.47	Absolute Value	08 03 12	waste ink containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	11.67	Absolute Value	08 03 13	waste ink other than those mentioned in 08 03 12	0



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.)	34.16	Absolute Value	08 03 13	waste ink other than those mentioned in 08 03 12	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.55	Absolute Value	08 03 14	ink sludges containing dangerous substances	1
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)	0.7	Absolute Value	08 03 14	ink sludges containing dangerous substances	1
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.)	0.625	Absolute Value	08 03 17	waste printing toner containing dangerous substances	1
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)	0.1	Absolute Value	08 03 17	waste printing toner containing dangerous substances	1
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	08 03 19	disperse oil	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	4.946	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	1



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.)	12.411	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	1
D10	Incineration on Land	1.841	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	52.273	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	1
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)	90.476	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	290.125	Absolute Value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	0
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.)	138.913	Absolute Value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	0
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)	5.796	Absolute Value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	74.665	Absolute Value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	10.625	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	1
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.)	27.35	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	1
D10	Incineration on Land	0.485	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	1
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)	19.357	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	1
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	0.28	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.01	Absolute Value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	1
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.)	6.605	Absolute Value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	1
D10	Incineration on Land	0.891	Absolute Value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	1



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)	55.448	Absolute Value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	35.994	Absolute Value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	0
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.)	76.15	Absolute Value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	0
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)	7.316	Absolute Value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	0
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)	0.095	Absolute Value	16 06 01	lead batteries	1
R4	Recycling/reclamation of metals and metal compounds	3.921	Absolute Value	16 06 01	lead batteries	1
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)	16.017	Absolute Value	16 06 02	Ni-Cd batteries	1
R4	Recycling/reclamation of metals and metal compounds	4.104	Absolute Value	16 06 02	Ni-Cd batteries	1
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)	7.367	Absolute Value	16 06 04	alkaline batteries (except 16 06 03)	0



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)	0.1	Absolute Value	16 06 06	separately collected electrolyte from batteries and accumulators	1
R4	Recycling/reclamation of metals and metal compounds	0.1	Absolute Value	16 06 06	separately collected electrolyte from batteries and accumulators	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	46.47	Absolute Value	16 03 05	organic wastes containing dangerous substances	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	118.285	Absolute Value	16 03 05	organic wastes containing dangerous substances	1
D10	Incineration on Land	4.761	Absolute Value	16 03 05	organic wastes containing dangerous substances	1
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)	429.97	Absolute Value	16 03 05	organic wastes containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	142.466	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	0
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.)	233.32	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	0



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)	19.216	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	0
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	8.27	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	1
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)	58.751	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	1
R4	Recycling/reclamation of metals and metal compounds	87.24	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	10.636	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1
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.)	13.323	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1
D10	Incineration on Land	2.622	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	4.839	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1



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)	12.5	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	26.95	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	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	15.995	Absolute Value	16 01 22	components not otherwise specified	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	12.49	Absolute Value	16 02 11	discarded equipment containing chlorofluorocarbons, HCFC, HFC	1
R4	Recycling/reclamation of metals and metal compounds	8.215	Absolute Value	16 02 11	discarded equipment containing chlorofluorocarbons, HCFC, HFC	1
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)	0.5	Absolute Value	16 02 13	discarded equipment containing hazardous components (2) other than those mentioned in 16 02 09 to 16 02 12	1
R4	Recycling/reclamation of metals and metal compounds	2.1	Absolute Value	16 02 13	discarded equipment containing hazardous components (2) other than those mentioned in 16 02 09 to 16 02 12	1
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)	5.4	Absolute Value	16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	0
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 02 15	hazardous components removed from discarded equipment	1



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)	47.675	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1
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.)	10.178	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1
D10	Incineration on Land	4.571	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1
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)	33.728	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	172.225	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	63.329	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	0
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.)	111.965	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.746	Absolute Value	08 05 01	waste isocyanates	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	0.2	Absolute Value	08 05 01	waste isocyanates	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	7.773	Absolute Value	08 05 01	waste isocyanates	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	31.91	Absolute Value	08 05 01	waste isocyanates	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.46	Absolute Value	09 01 01	water-based developer and activator solutions	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.7	Absolute Value	09 01 01	water-based developer and activator solutions	1
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)	0.44	Absolute Value	09 01 01	water-based developer and activator solutions	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.4	Absolute Value	09 01 02	water-based offset plate developer solutions	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.01	Absolute Value	09 01 04	fixer solutions	1



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	09 01 04	fixer solutions	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	8.4	Absolute Value	10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14	0
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.)	9.4	Absolute Value	10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14	0
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.)	12	Absolute Value	10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	15.6	Absolute Value	10 11 15	solid wastes from flue-gas treatment containing dangerous substances	1
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.)	17.5	Absolute Value	10 11 15	solid wastes from flue-gas treatment containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.5	Absolute Value	10 11 15	solid wastes from flue-gas treatment containing dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	4.8	Absolute Value	11 01 05	pickling acids	1
D10	Incineration on Land	1.933	Absolute Value	11 01 05	pickling acids	1
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.)	6.895	Absolute Value	11 01 06	acids not otherwise specified	1
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.)	7.5	Absolute Value	11 01 07	pickling bases	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.6	Absolute Value	11 01 07	pickling bases	1
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)	4.4	Absolute Value	11 01 07	pickling bases	1
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	11 01 08	phosphatising sludges	1



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)	0.2	Absolute Value	11 01 08	phosphatising sludges	1
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	11 01 08	phosphatising sludges	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.25	Absolute Value	11 01 09	sludges and filter cakes containing dangerous substances	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.45	Absolute Value	11 01 09	sludges and filter cakes containing dangerous substances	1
D10	Incineration on Land	0.85	Absolute Value	11 01 09	sludges and filter cakes containing dangerous substances	1
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	11 01 09	sludges and filter cakes containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	3.6	Absolute Value	11 01 11	aqueous rinsing liquids containing dangerous substances	1
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.)	14.65	Absolute Value	11 01 11	aqueous rinsing liquids containing dangerous substances	1



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)	5.26	Absolute Value	11 01 11	aqueous rinsing liquids containing dangerous substances	1
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.)	6.46	Absolute Value	11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11	0
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 01 13	degreasing wastes containing dangerous substances	1
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.)	22.475	Absolute Value	11 01 13	degreasing wastes containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	10.64	Absolute Value	11 01 13	degreasing wastes containing dangerous substances	1
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)	14.54	Absolute Value	11 01 13	degreasing wastes containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.815	Absolute Value	11 01 14	degreasing wastes other than those mentioned in 11 01 13	0



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.)	10.245	Absolute Value	11 01 14	degreasing wastes other than those mentioned in 11 01 13	0
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.)	0.425	Absolute Value	11 02 07	other wastes containing dangerous substances	1
D10	Incineration on Land	0.055	Absolute Value	11 03 02	other wastes	1
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)	0.1	Absolute Value	12 01 06	mineral-based machining oils containing halogens (except emulsions and solutions)	1
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.)	0.3	Absolute Value	12 01 07	mineral-based machining oils free of halogens (except emulsions and solutions)	1
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.)	10.46	Absolute Value	12 01 09	machining emulsions and solutions free of halogens	1
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)	1.68	Absolute Value	12 01 09	machining emulsions and solutions free of halogens	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R9	Oil e-refining or other reuses of oil	3.245	Absolute Value	12 01 09	machining emulsions and solutions free of halogens	1
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.)	1.4	Absolute Value	12 01 12	spent waxes and fats	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	5.275	Absolute Value	12 01 12	spent waxes and fats	1
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)	14.428	Absolute Value	12 01 12	spent waxes and fats	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.5	Absolute Value	12 01 14	machining sludges containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2.479	Absolute Value	12 01 14	machining sludges containing dangerous substances	1
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)	8.14	Absolute Value	12 01 14	machining sludges containing dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	0.2	Absolute Value	12 01 16	waste blasting material containing dangerous substances	1
D10	Incineration on Land	0.072	Absolute Value	12 01 16	waste blasting material containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.6	Absolute Value	12 01 16	waste blasting material containing dangerous substances	1
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)	16.46	Absolute Value	12 01 16	waste blasting material containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.861	Absolute Value	12 01 17	waste blasting material other than those mentioned in 12 01 16	0
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.)	15.805	Absolute Value	12 01 17	waste blasting material other than those mentioned in 12 01 16	0
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	0.6	Absolute Value	12 01 20	spent grinding bodies and grinding materials containing dangerous substances	1



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)	2.1	Absolute Value	12 01 20	spent grinding bodies and grinding materials containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	5	Absolute Value	12 01 20	spent grinding bodies and grinding materials containing dangerous substances	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.4	Absolute Value	13 01 05	non-chlorinated emulsions	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.025	Absolute Value	13 01 09	mineral-based chlorinated hydraulic oils	1
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.)	4.39	Absolute Value	13 01 10	mineral based non-chlorinated hydraulic oils	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.43	Absolute Value	13 01 10	mineral based non-chlorinated hydraulic oils	1
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)	2.225	Absolute Value	13 01 10	mineral based non-chlorinated hydraulic oils	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R9	Oil e-refining or other reuses of oil	0.92	Absolute Value	13 01 10	mineral based non-chlorinated hydraulic oils	1
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.)	3.2	Absolute Value	13 01 11	synthetic hydraulic oils	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	4.5	Absolute Value	13 01 11	synthetic hydraulic oils	1
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	13 01 11	synthetic hydraulic oils	1
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	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	1
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.)	53.626	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	18.301	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	1
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)	19.875	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R9	Oil e-refining or other reuses of oil	5.85	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.24	Absolute Value	13 02 06	synthetic engine, gear and lubricating oils	1
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)	0.08	Absolute Value	13 02 06	synthetic engine, gear and lubricating oils	1
R9	Oil e-refining or other reuses of oil	0.1	Absolute Value	13 02 06	synthetic engine, gear and lubricating oils	1
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	13 02 08	other engine, gear and lubricating oils	1
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.)	45.922	Absolute Value	13 02 08	other engine, gear and lubricating oils	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	7.97	Absolute Value	13 02 08	other engine, gear and lubricating oils	1
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)	51.228	Absolute Value	13 02 08	other engine, gear and lubricating oils	1
R9	Oil e-refining or other reuses of oil	44.51	Absolute Value	13 02 08	other engine, gear and lubricating oils	1



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	13 04 01	bilge oils from inland navigation	1
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	13 03 06	mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.425	Absolute Value	13 03 07	mineral-based non-chlorinated insulating and heat transmission oils	1
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.)	5.2	Absolute Value	13 03 07	mineral-based non-chlorinated insulating and heat transmission oils	1
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)	2.8	Absolute Value	13 03 07	mineral-based non-chlorinated insulating and heat transmission oils	1
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	13 03 08	synthetic insulating and heat transmission oils	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	4	Absolute Value	13 03 08	synthetic insulating and heat transmission oils	1
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.)	2.2	Absolute Value	13 03 09	readily biodegradable insulating and heat transmission oils	1
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	13 03 10	other insulating and heat transmission oils	1
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.)	1.4	Absolute Value	13 03 10	other insulating and heat transmission oils	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	0.6	Absolute Value	13 03 10	other insulating and heat transmission oils	1
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	13 03 10	other insulating and heat transmission oils	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	8	Absolute Value	13 05 02	sludges from oil/water separators	1



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)	2	Absolute Value	13 05 02	sludges from oil/water separators	1
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)	4.2	Absolute Value	13 05 02	sludges from oil/water separators	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	3.2	Absolute Value	13 05 03	interceptor sludges	1
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	13 05 03	interceptor sludges	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.2	Absolute Value	13 05 06	oil from oil/water separators	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	20	Absolute Value	13 05 07	oily water from oil/water separators	1
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.)	185.79	Absolute Value	13 05 07	oily water from oil/water separators	1



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)	7.4	Absolute Value	13 05 07	oily water from oil/water separators	1
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)	3.38	Absolute Value	13 05 07	oily water from oil/water separators	1
R9	Oil e-refining or other reuses of oil	50.8	Absolute Value	13 05 07	oily water from oil/water separators	1
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.)	1.8	Absolute Value	13 05 08	mixtures of wastes from grit chambers and oil/water separators	1
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.)	9.19	Absolute Value	13 07 01	fuel oil and diesel	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	9.9	Absolute Value	13 07 01	fuel oil and diesel	1
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)	9.055	Absolute Value	13 07 01	fuel oil and diesel	1
R9	Oil e-refining or other reuses of oil	1.225	Absolute Value	13 07 01	fuel oil and diesel	1



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)	0.6	Absolute Value	13 07 02	petrol	1
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	13 07 02	petrol	1
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.)	1.4	Absolute Value	13 07 03	other fuels (including mixtures)	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	18.495	Absolute Value	13 07 03	other fuels (including mixtures)	1
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)	17.095	Absolute Value	13 07 03	other fuels (including mixtures)	1
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.)	14.125	Absolute Value	13 08 02	other emulsions	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.2	Absolute Value	13 08 02	other emulsions	1



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	13 08 02	other emulsions	1
R9	Oil e-refining or other reuses of oil	8	Absolute Value	13 08 02	other emulsions	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.12	Absolute Value	14 06 02	other halogenated solvents and solvent mixtures	1
D10	Incineration on Land	0.021	Absolute Value	14 06 02	other halogenated solvents and solvent mixtures	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	3.41	Absolute Value	14 06 02	other halogenated solvents and solvent mixtures	1
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)	9.175	Absolute Value	14 06 02	other halogenated solvents and solvent mixtures	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	11.8	Absolute Value	14 06 03	other solvents and solvent mixtures	1
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.)	32.5	Absolute Value	14 06 03	other solvents and solvent mixtures	1
D10	Incineration on Land	0.245	Absolute Value	14 06 03	other solvents and solvent mixtures	1



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)	46.096	Absolute Value	14 06 03	other solvents and solvent mixtures	1
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)	327.26	Absolute Value	14 06 03	other solvents and solvent mixtures	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.4	Absolute Value	14 06 05	sludges or solid wastes containing other solvents	1
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.)	5.069	Absolute Value	15 01 02	plastic packaging	0
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)	21.515	Absolute Value	15 01 02	plastic packaging	0
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)	10.443	Absolute Value	15 01 06	mixed packaging	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	13.833	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1



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.)	11.576	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1
D10	Incineration on Land	1.768	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1
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)	247.041	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	14.67	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1
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.)	25.889	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1
D10	Incineration on Land	2.698	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1
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)	749.931	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1



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)	49.46	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	0
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.)	104.849	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	0
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)	10.479	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	0
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)	15.08	Absolute Value	16 01 03	end-of-life tyres	0
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)	2.535	Absolute Value	16 01 07	oil filters	1
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.)	42.56	Absolute Value	16 01 13	brake fluids	1
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.)	98.454	Absolute Value	16 01 14	antifreeze fluids containing dangerous substances	1



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)	0.21	Absolute Value	20 01 15	alkalines	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.07	Absolute Value	20 01 19	pesticides	1
D10	Incineration on Land	0.021	Absolute Value	20 01 19	pesticides	1
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)	5.534	Absolute Value	20 01 19	pesticides	1
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)	1.985	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	1
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)	5.02	Absolute Value	20 01 23	discarded equipment containing chlorofluorocarbons	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.311	Absolute Value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	1
D10	Incineration on Land	1.47	Absolute Value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	1
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)	17.34	Absolute Value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	1



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	20 01 29	detergents containing dangerous substances	1
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.)	1.519	Absolute Value	20 01 29	detergents containing dangerous substances	1
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)	5.06	Absolute Value	20 01 29	detergents containing dangerous substances	1
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)	0.755	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	1
R4	Recycling/reclamation of metals and metal compounds	10.882	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	1
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)	46.595	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)	1
R4	Recycling/reclamation of metals and metal compounds	62.1	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)	1
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)	77.724	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	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	55.435	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	0
R4	Recycling/reclamation of metals and metal compounds	8.137	Absolute Value	20 01 40	metals	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	15.3	Absolute Value	20 03 01	mixed municipal waste	0
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)	-	Below Reporting Threshold	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	0
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.)	-	Below Reporting Threshold	17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	0
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.)	-	Below Reporting Threshold	17 02 03	plastic	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	17 03 02	bituminous mixtures other than those mentioned in 17 03 01	0
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.)	-	Below Reporting Threshold	17 03 02	bituminous mixtures other than those mentioned in 17 03 01	0



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)	-	Below Reporting Threshold	17 03 02	bituminous mixtures other than those mentioned in 17 03 01	0
D10	Incineration on Land	-	Below Reporting Threshold	17 04 05	iron and steel	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	17 05 04	soil and stones other than those mentioned in 17 05 03	0
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.)	-	Below Reporting Threshold	17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03	0
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)	-	Below Reporting Threshold	17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	0
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.)	-	Below Reporting Threshold	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	0
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)	-	Below Reporting Threshold	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	0



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)	-	Below Reporting Threshold	20 01 01	paper and cardboard	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	18 01 07	chemicals other than those mentioned in 18 01 06	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	18 01 09	medicines other than those mentioned in 18 01 08	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01	0
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)	-	Below Reporting Threshold	17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01	0
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.)	-	Below Reporting Threshold	17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	-	Below Reporting Threshold	08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11	0
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)	-	Below Reporting Threshold	08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11	0



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)	-	Below Reporting Threshold	08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15	0
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.)	-	Below Reporting Threshold	08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	02 01 03	plant-tissue waste	0
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.)	-	Below Reporting Threshold	02 01 09	agrochemical waste other than those mentioned in 02 01 08	0
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.)	-	Below Reporting Threshold	02 03 04	materials unsuitable for consumption or processing	0
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.)	-	Below Reporting Threshold	02 05 01	materials unsuitable for consumption or processing	0



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)	-	Below Reporting Threshold	02 05 01	materials unsuitable for consumption or processing	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16	0
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.)	-	Below Reporting Threshold	04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16	0
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)	-	Below Reporting Threshold	05 01 17	bitumen	0
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)	-	Below Reporting Threshold	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13	0
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.)	-	Below Reporting Threshold	08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13	0



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)	-	Below Reporting Threshold	08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17	0
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)	-	Below Reporting Threshold	08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17	0
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.)	-	Below Reporting Threshold	08 03 07	aqueous sludges containing ink	0
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)	-	Below Reporting Threshold	08 03 08	aqueous liquid waste containing ink	0
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)	-	Below Reporting Threshold	08 03 13	waste ink other than those mentioned in 08 03 12	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 03 15	ink sludges other than those mentioned in 08 03 14	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 03 18	waste printing toner other than those mentioned in 08 03 17	0



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.)	-	Below Reporting Threshold	08 03 18	waste printing toner other than those mentioned in 08 03 17	0
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)	-	Below Reporting Threshold	08 03 18	waste printing toner other than those mentioned in 08 03 17	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	-	Below Reporting Threshold	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	0
R4	Recycling/reclamation of metals and metal compounds	-	Below Reporting Threshold	16 06 04	alkaline batteries (except 16 06 03)	0
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)	-	Below Reporting Threshold	16 06 05	other batteries and accumulators	0
R4	Recycling/reclamation of metals and metal compounds	-	Below Reporting Threshold	16 06 05	other batteries and accumulators	0
D10	Incineration on Land	-	Below Reporting Threshold	16 03 06	organic wastes other than those mentioned in 16 03 05	0
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)	-	Below Reporting Threshold	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	0
R4	Recycling/reclamation of metals and metal compounds	-	Below Reporting Threshold	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	0



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.)	-	Below Reporting Threshold	16 01 20	glass	0
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.)	-	Below Reporting Threshold	16 01 22	components not otherwise specified	0
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)	-	Below Reporting Threshold	16 01 22	components not otherwise specified	0
R4	Recycling/reclamation of metals and metal compounds	-	Below Reporting Threshold	16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15	0
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.)	-	Below Reporting Threshold	16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15	0
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)	-	Below Reporting Threshold	16 03 04	inorganic wastes other than those mentioned in 16 03 03	0



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)	-	Below Reporting Threshold	10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05	0
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.)	-	Below Reporting Threshold	10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05	0
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.)	-	Below Reporting Threshold	10 11 12	waste glass other than those mentioned in 10 11 11	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	11 01 10	sludges and filter cakes other than those mentioned in 11 01 09	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	-	Below Reporting Threshold	11 01 10	sludges and filter cakes other than those mentioned in 11 01 09	0
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)	-	Below Reporting Threshold	11 01 10	sludges and filter cakes other than those mentioned in 11 01 09	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11	0



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)	-	Below Reporting Threshold	11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11	0
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)	-	Below Reporting Threshold	11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	-	Below Reporting Threshold	11 01 14	degreasing wastes other than those mentioned in 11 01 13	0
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)	-	Below Reporting Threshold	11 01 14	degreasing wastes other than those mentioned in 11 01 13	0
D10	Incineration on Land	-	Below Reporting Threshold	12 01 02	ferrous metal dust and particles	0
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)	-	Below Reporting Threshold	12 01 02	ferrous metal dust and particles	0
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.)	-	Below Reporting Threshold	12 01 03	non-ferrous metal filings and turnings	0
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)	-	Below Reporting Threshold	12 01 03	non-ferrous metal filings and turnings	0
D10	Incineration on Land	-	Below Reporting Threshold	12 01 04	non-ferrous metal dust and particles	0



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)	-	Below Reporting Threshold	12 01 17	waste blasting material other than those mentioned in 12 01 16	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20	0
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.)	-	Below Reporting Threshold	12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	15 01 01	paper and cardboard packaging	0
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.)	-	Below Reporting Threshold	15 01 01	paper and cardboard packaging	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	15 01 02	plastic packaging	0
D10	Incineration on Land	-	Below Reporting Threshold	15 01 02	plastic packaging	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	-	Below Reporting Threshold	15 01 02	plastic packaging	0



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)	-	Below Reporting Threshold	15 01 04	metallic packaging	0
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.)	-	Below Reporting Threshold	15 01 04	metallic packaging	0
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)	-	Below Reporting Threshold	15 01 04	metallic packaging	0
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.)	-	Below Reporting Threshold	15 01 05	composite packaging	0
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)	-	Below Reporting Threshold	15 01 05	composite packaging	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	15 01 06	mixed packaging	0
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.)	-	Below Reporting Threshold	15 01 06	mixed packaging	0



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)	-	Below Reporting Threshold	15 01 06	mixed packaging	0
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.)	-	Below Reporting Threshold	15 01 07	glass packaging	0
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.)	-	Below Reporting Threshold	16 01 15	antifreeze fluids other than those mentioned in 16 01 14	0
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)	-	Below Reporting Threshold	16 01 19	plastic	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	20 01 30	detergents other than those mentioned in 20 01 29	0
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.)	-	Below Reporting Threshold	20 01 30	detergents other than those mentioned in 20 01 29	0



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)	-	Below Reporting Threshold	20 01 34	batteries and accumulators other than those mentioned in 20 01 33	0
R4	Recycling/reclamation of metals and metal compounds	-	Below Reporting Threshold	20 01 34	batteries and accumulators other than those mentioned in 20 01 33	0
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)	-	Below Reporting Threshold	20 01 38	wood other than that mentioned in 20 01 37	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	20 01 39	plastics	0
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)	-	Below Reporting Threshold	20 01 39	plastics	0

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

4.21 Pollution inventory radioactive waste

Records within 500m

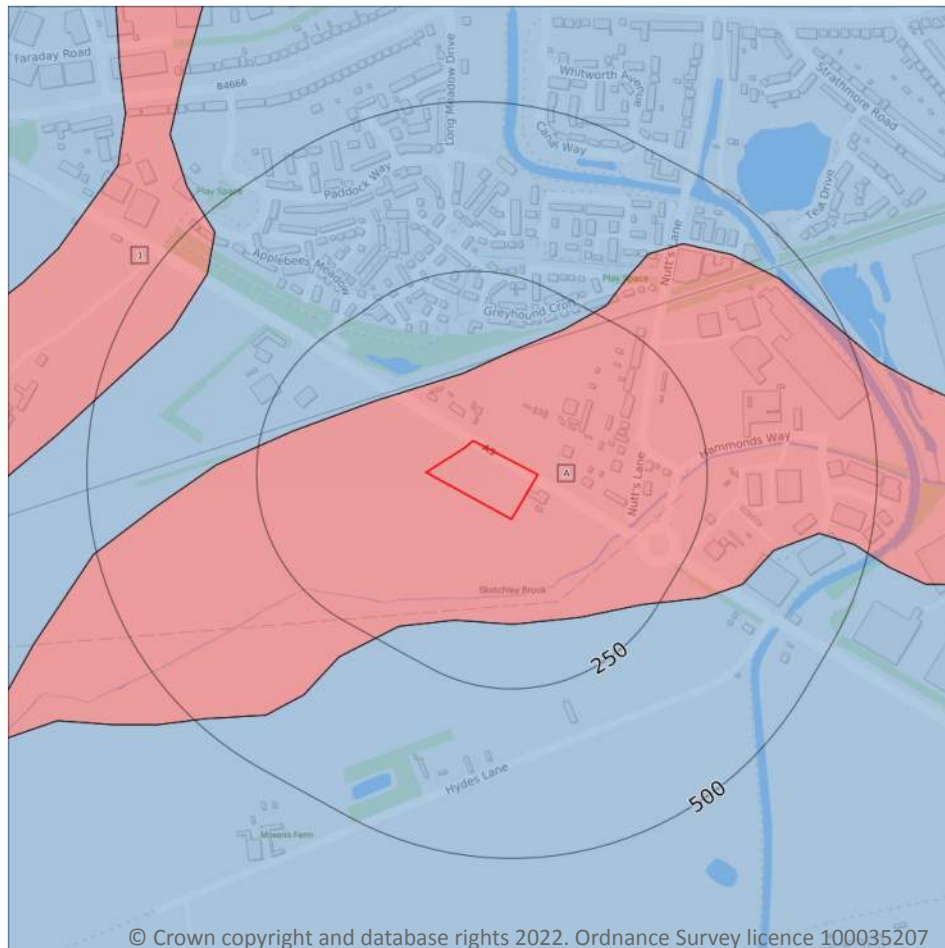
0

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

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



5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

3

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 111**

ID	Location	Designation	Description
A	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
A	99m N	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
1	429m NW	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

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.

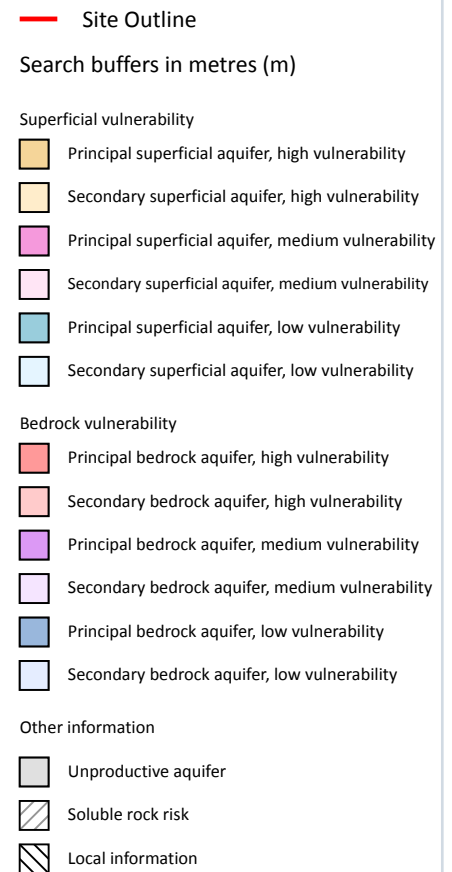
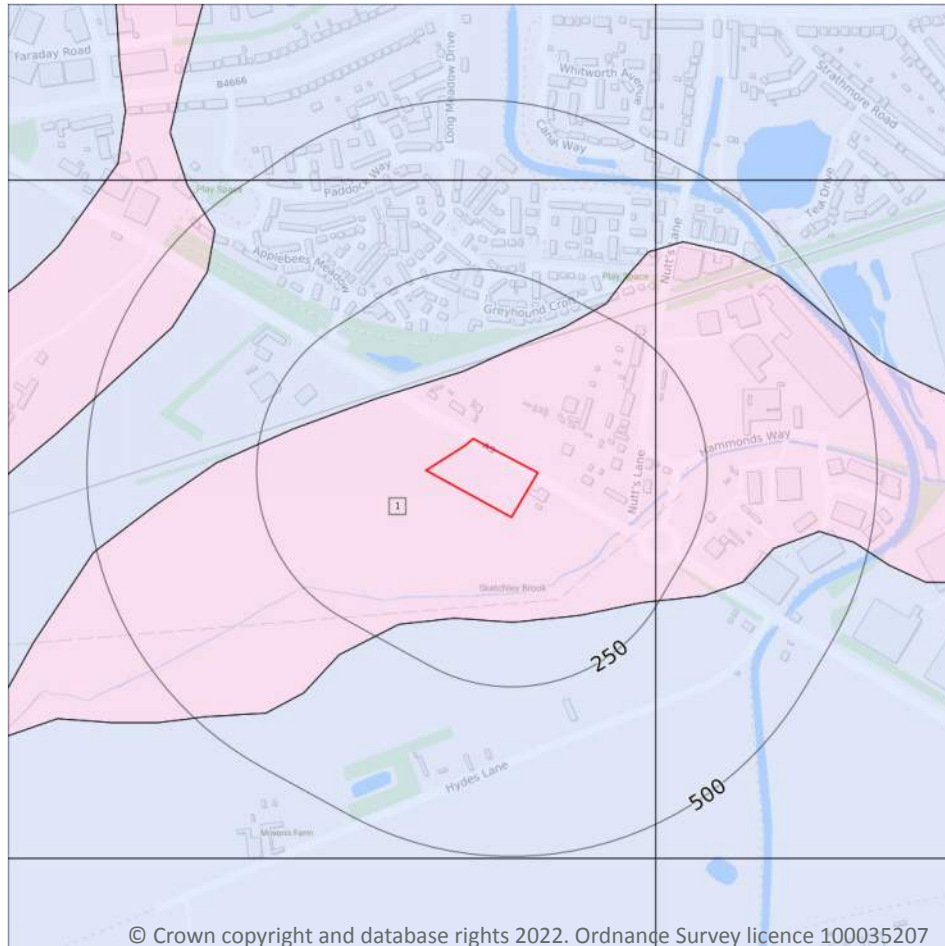
Features are displayed on the Bedrock aquifer map on **page 113**

ID	Location	Designation	Description
1	On site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

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

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

Features are displayed on the Groundwater vulnerability map on **page 114**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

0

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

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

Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

23

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 116**



ID	Location	Details	
-	934m E	Status: Historical Licence No: 03/28/19/0048 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: LAND NR HINCKLEY - WELL Data Type: Point Name: J K & M HOULDCROFT Easting: 441700 Northing: 292900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 30/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/04/1995 Version End Date: -
-	1694m NE	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH118 Data Type: Point Name: Celtic Technologies Limited Easting: 442100 Northing: 293686	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
-	1694m NE	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH118 Data Type: Point Name: Celtic Technologies Limited Easting: 442100 Northing: 293686	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: NPS/WR/019536 Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
-	1695m NE	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: RBH6A Data Type: Point Name: Celtic Technologies Limited Easting: 442113 Northing: 293672	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
-	1695m NE	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: RBH6A Data Type: Point Name: Celtic Technologies Limited Easting: 442113 Northing: 293672	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: NPS/WR/019536 Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -



ID	Location	Details	
-	1695m NE	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: RBH5A Data Type: Point Name: Celtic Technologies Limited Easting: 442109 Northing: 293677	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
-	1695m NE	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: RBH5A Data Type: Point Name: Celtic Technologies Limited Easting: 442109 Northing: 293677	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: NPS/WR/019536 Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
-	1695m NE	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH123 Data Type: Point Name: Celtic Technologies Limited Easting: 442128 Northing: 293655	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
-	1695m NE	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH123 Data Type: Point Name: Celtic Technologies Limited Easting: 442128 Northing: 293655	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: NPS/WR/019536 Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
-	1695m NE	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH121C Data Type: Point Name: Celtic Technologies Limited Easting: 442119 Northing: 293666	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -



ID	Location	Details	
-	1695m NE	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH121C Data Type: Point Name: Celtic Technologies Limited Easting: 442119 Northing: 293666	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: NPS/WR/019536 Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
-	1696m NE	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH117C Data Type: Point Name: Celtic Technologies Limited Easting: 442095 Northing: 293694	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
-	1696m NE	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH117C Data Type: Point Name: Celtic Technologies Limited Easting: 442095 Northing: 293694	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: NPS/WR/019536 Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
-	1696m NE	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH122 Data Type: Point Name: Celtic Technologies Limited Easting: 442126 Northing: 293659	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
-	1696m NE	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH122 Data Type: Point Name: Celtic Technologies Limited Easting: 442126 Northing: 293659	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: NPS/WR/019536 Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -



ID	Location	Details	
-	1696m NE	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: DBH3 Data Type: Point Name: Celtic Technologies Limited Easting: 442115 Northing: 293672	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
-	1696m NE	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: DBH3 Data Type: Point Name: Celtic Technologies Limited Easting: 442115 Northing: 293672	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: NPS/WR/019536 Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
-	1696m NE	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH121B Data Type: Point Name: Celtic Technologies Limited Easting: 442117 Northing: 293670	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
-	1696m NE	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH121B Data Type: Point Name: Celtic Technologies Limited Easting: 442117 Northing: 293670	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: NPS/WR/019536 Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
-	1697m NE	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CHB116 Data Type: Point Name: Celtic Technologies Limited Easting: 442091 Northing: 293701	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -



ID	Location	Details	
-	1697m NE	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CHB116 Data Type: Point Name: Celtic Technologies Limited Easting: 442091 Northing: 293701	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: NPS/WR/019536 Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -
-	1698m NE	Status: Historical Licence No: MD/028/0019/005 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH115C Data Type: Point Name: Celtic Technologies Limited Easting: 442087 Northing: 293706	Annual Volume (m ³): 31799 Max Daily Volume (m ³): 87.12 Original Application No: - Original Start Date: 28/05/2012 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 28/05/2012 Version End Date: -
-	1698m NE	Status: Active Licence No: MD/028/0019/005/R01 Details: Pollution Remediation Direct Source: Groundwater Midlands Region Point: CBH115C Data Type: Point Name: Celtic Technologies Limited Easting: 442087 Northing: 293706	Annual Volume (m ³): 31,799 Max Daily Volume (m ³): 87.12 Original Application No: NPS/WR/019536 Original Start Date: 01/04/2016 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2016 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

3

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 116**



ID	Location	Details	
1	429m NE	Status: Historical Licence No: 03/28/19/0001 Details: Laundry Use Direct Source: Surface Water Midlands Region Point: SKETCHLEY LTD, HINCKLEY - ASHBY CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 441100 Northing: 292900	Annual Volume (m ³): 45000 Max Daily Volume (m ³): 3068.55 Original Application No: - Original Start Date: 29/09/1965 Expiry Date: - Issue No: 101 Version Start Date: 18/04/2008 Version End Date: -
2	477m NE	Status: Historical Licence No: 03/28/19/0084 Details: Dust suppression Direct Source: Surface Water Midlands Region Point: HINCKLEY GREYHOUND TRACK - ASHBY CANAL Data Type: Line Name: BRITISH WATERWAYS BOARD Easting: 440800 Northing: 293250	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 03/08/1995 Expiry Date: - Issue No: 100 Version Start Date: 03/08/1995 Version End Date: -
-	1756m E	Status: Historical Licence No: 03/28/19/0042 Details: Laundry Use Direct Source: Surface Water Midlands Region Point: SKETCHLEY LTD - SKETCHLEY BROOK Data Type: Point Name: JOHNSON TEXTILE SERVICES LTD Easting: 442500 Northing: 293100	Annual Volume (m ³): 772820 Max Daily Volume (m ³): 10910.4 Original Application No: - Original Start Date: 02/02/1971 Expiry Date: - Issue No: 101 Version Start Date: 22/06/2000 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

0

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.

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



5.9 Source Protection Zones

Records within 500m	0
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Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

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

8

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 124**

ID	Location	Type of water feature	Ground level	Permanence	Name
B	112m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Sketchley Brook



ID	Location	Type of water feature	Ground level	Permanence	Name
D	164m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	173m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
D	179m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	185m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	185m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	190m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	190m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Sketchley 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 124**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

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



Features are displayed on the Hydrology map on **page 124**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Sketchley Brook from Source to River Anker	GB104028042470	Sence Anker and Bourne Rivers and Lakes	Tame Anker and Mease

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

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

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

Features are displayed on the Hydrology map on **page 124**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
1	110m S	River	Sketchley Brook from Source to River Anker	GB104028042470	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.

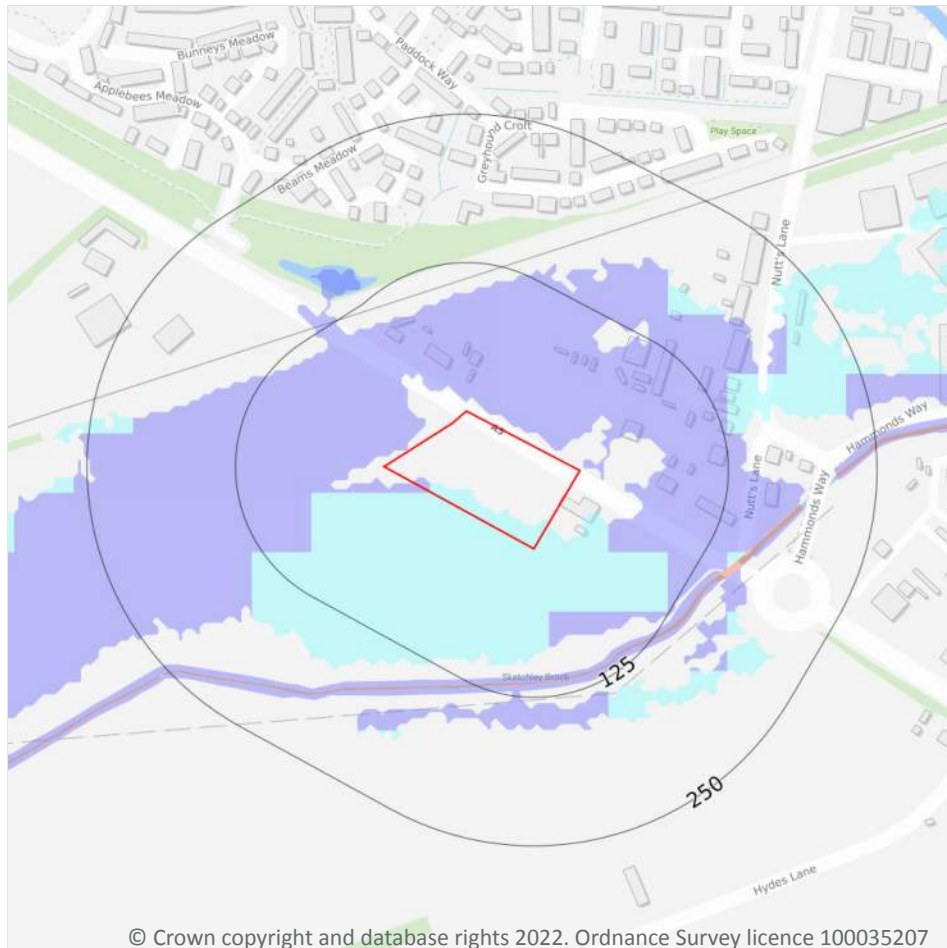
Features are displayed on the Hydrology map on **page 124**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Tame Anker Mease - Secondary Combined	GB40402G990800	Good	Good	Good	2019

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



7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m

2

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).

Features are displayed on the River and coastal flooding map on **page 127**



Distance	Flood risk category
On site	Medium
0 - 50m	Medium

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

7.2 Historical Flood Events

Records within 250m	0
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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

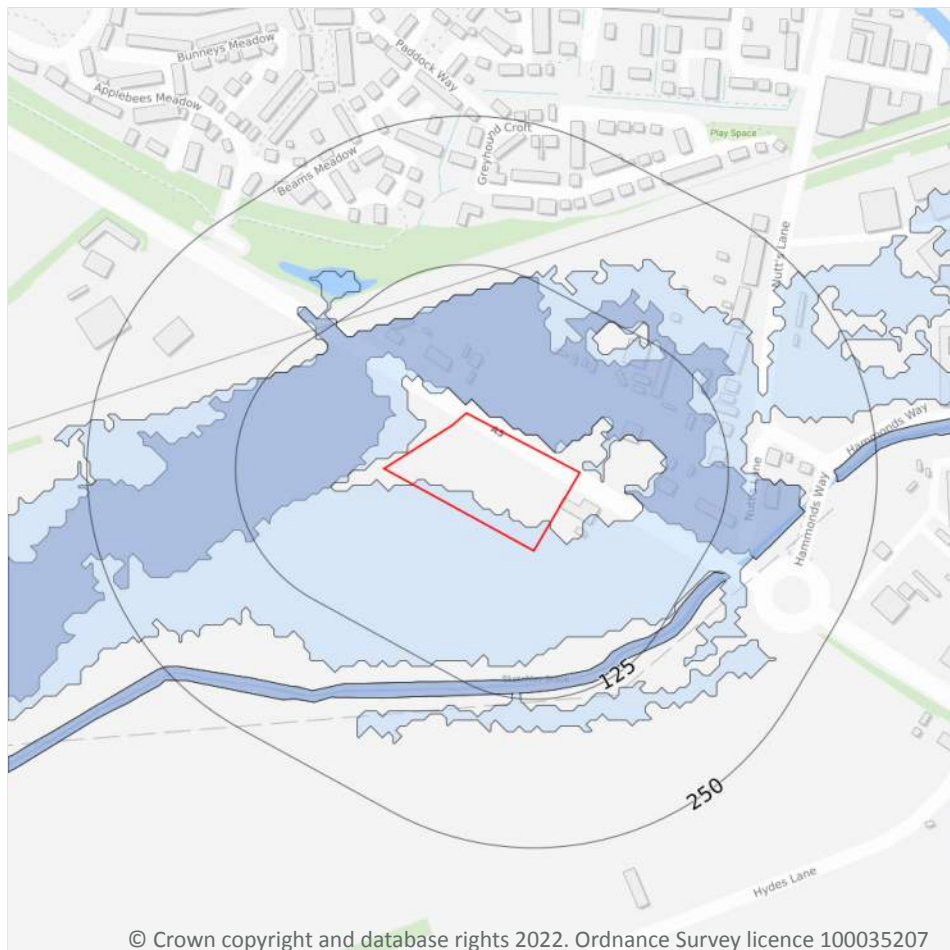
Records within 250m	0
---------------------	---

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



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

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7.6 Flood Zone 2

Records within 50m

1

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.

Features are displayed on the River and coastal flooding map on **page 127**

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

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



7.7 Flood Zone 3

Records within 50m

1

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.

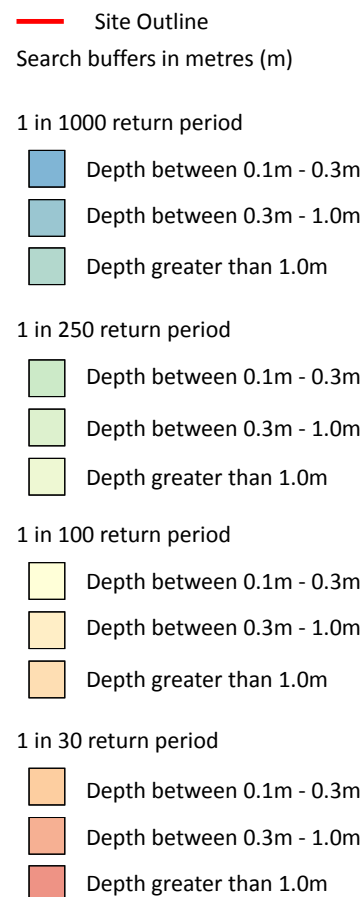
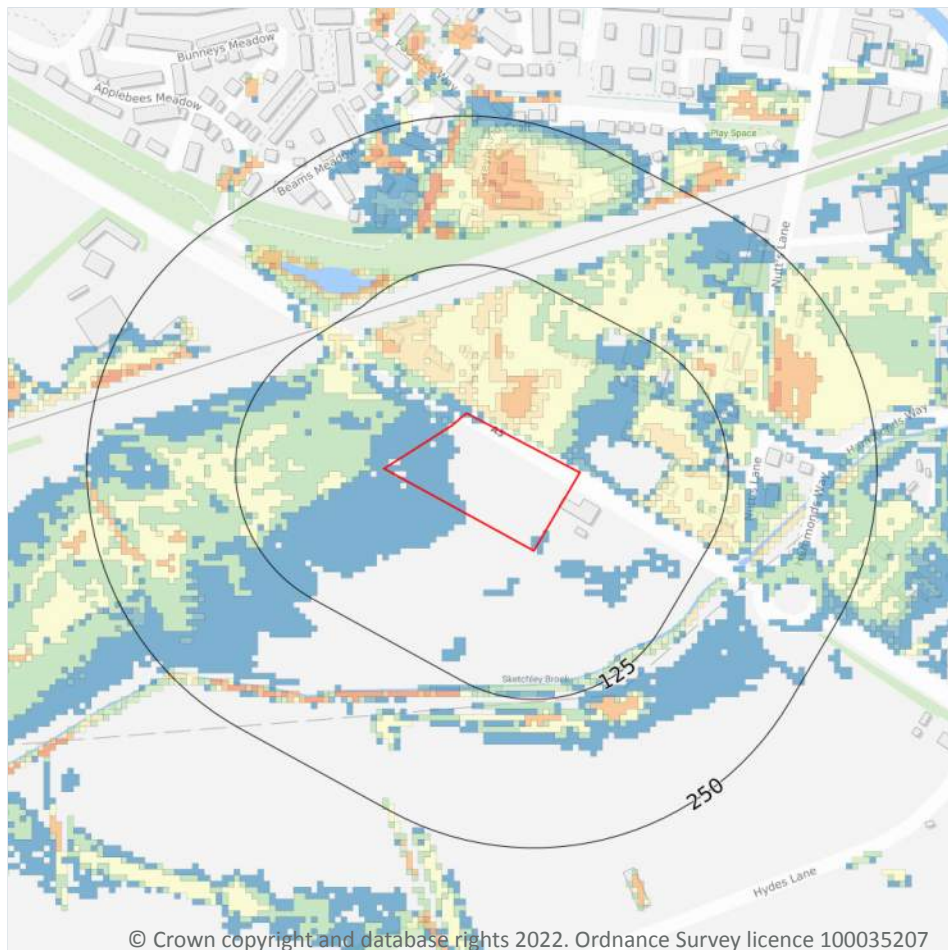
Features are displayed on the River and coastal flooding map on **page 127**

Location	Type
5m E	Zone 3 - (Fluvial Models)

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 1000 year, 0.3m - 1.0m

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 131**

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

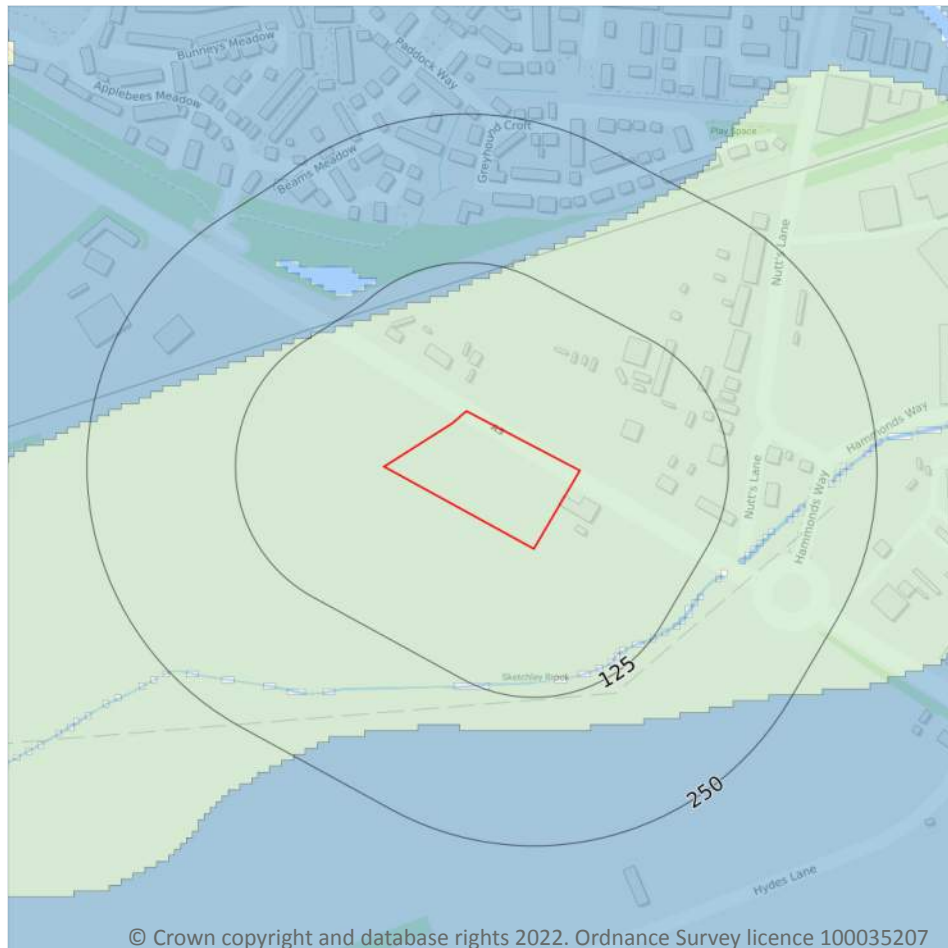
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal 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

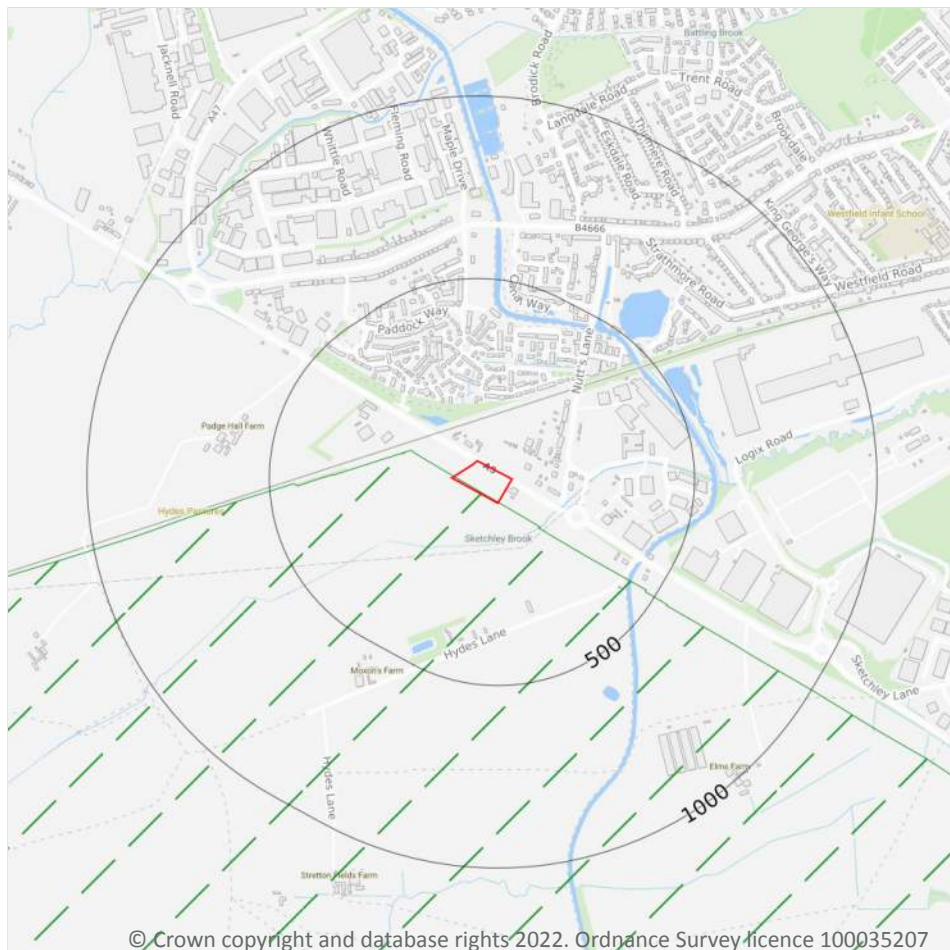
Low

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 133**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- - - 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**0**

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.

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

2

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

Features are displayed on the Environmental designations map on **page 134**

ID	Location	Name	Local Authority name
1	On site	Birmingham	Rugby
-	1464m W	Birmingham	Nuneaton and Bedworth

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**1**

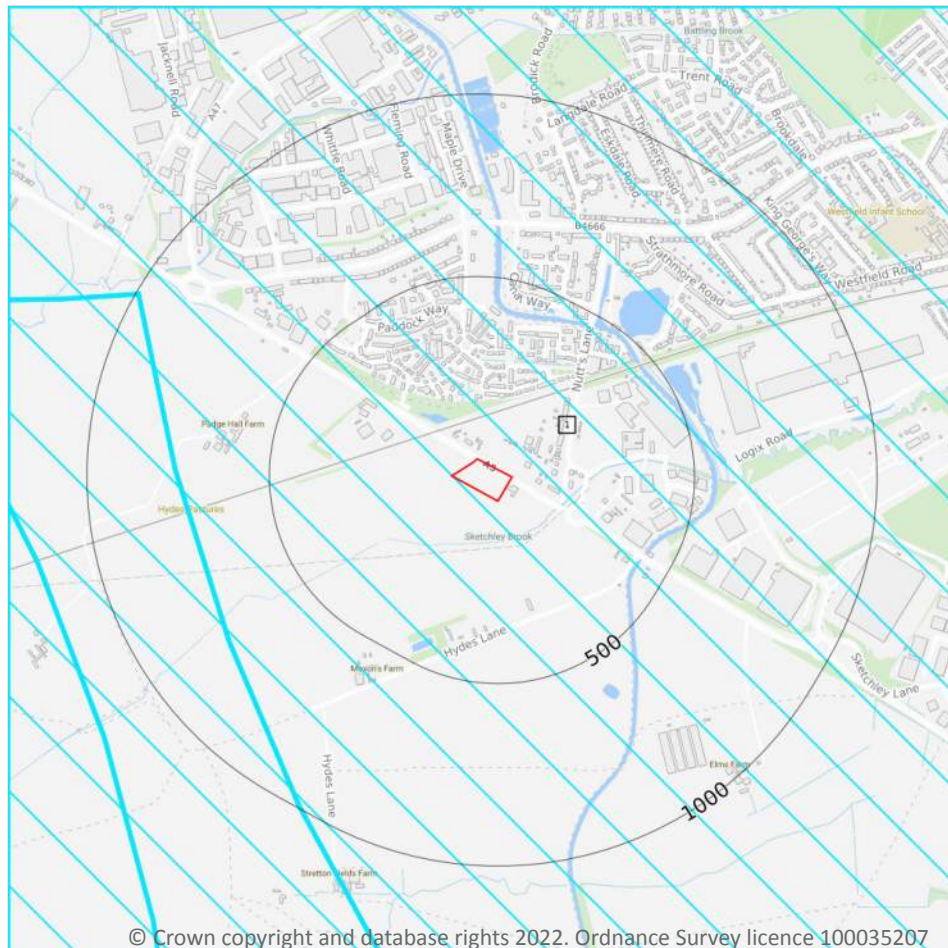
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	River Trent (source to confluence with Derwent)	Surface Water	308	Existing

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



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- ▨ SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site

1

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.

Features are displayed on the SSSI Impact Zones and Units map on **page 139**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t. Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0
----------------------	---

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

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

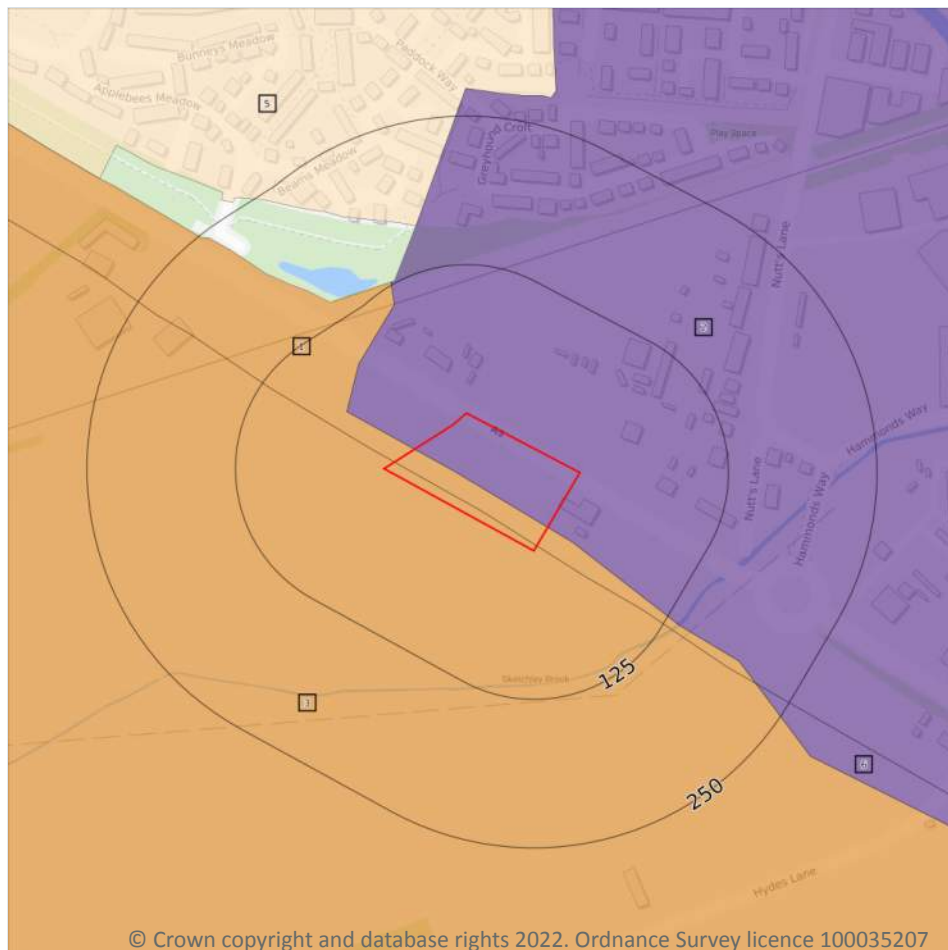
0

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

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



12 Agricultural designations



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

12.1 Agricultural Land Classification

Records within 250m

5

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 143**

ID	Location	Classification	Description
1	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
2	On site	Urban	-



ID	Location	Classification	Description
3	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
5	163m N	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
6	218m SE	Urban	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



12.5 Countryside Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



13 Habitat designations



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- 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 146**

ID	Location	Main Habitat	Other habitats
1	123m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	158m NW	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 148**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SP49SW

This data is sourced from the British Geological Survey.



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



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

14.2 Artificial and made ground (10k)

Records within 500m

1

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.

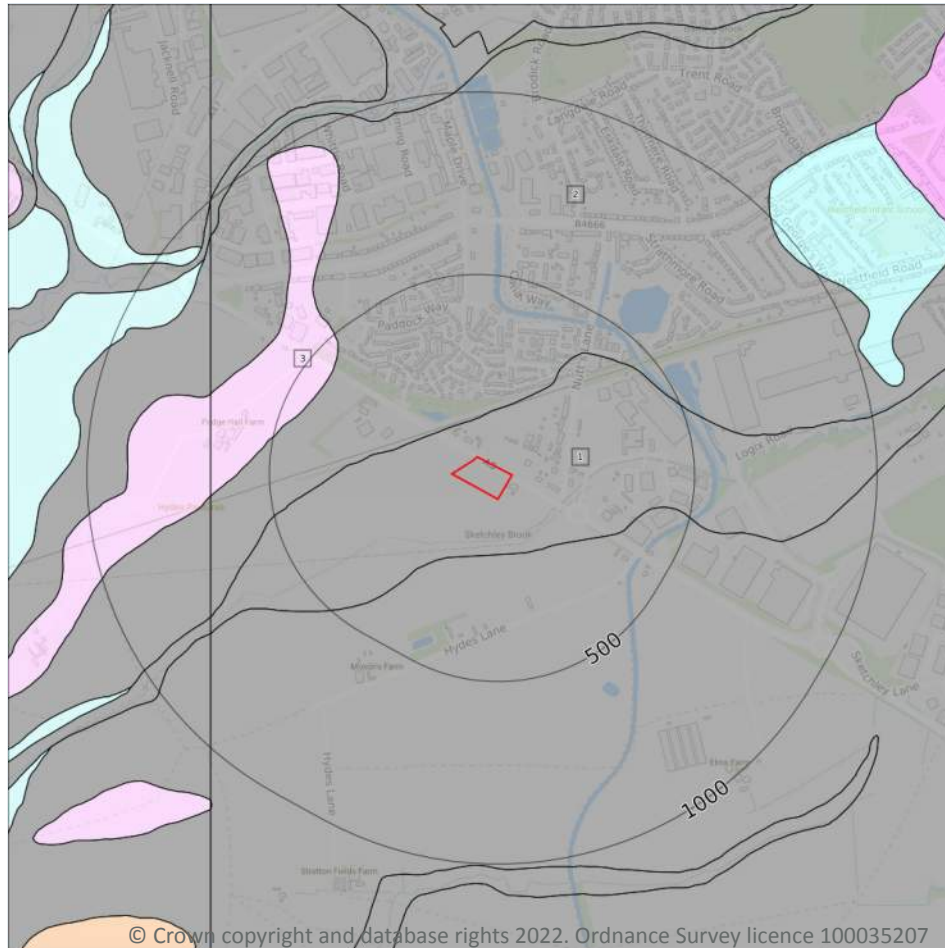
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 149**

ID	Location	LEX Code	Description	Rock description
1	224m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

3

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.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 150**

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XSWCV	Alluvium - Sand With Clay And Gravel	Sand With Clay And Gravel [unlithified Deposits Coding Scheme - Extended]
2	100m N	WOC-XCZ	Wolston Clay - Clay And Silt	Clay And Silt
3	426m NW	ANSG-XSV	Anker Sand And Gravel - Sand And Gravel	Sand And Gravel



This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

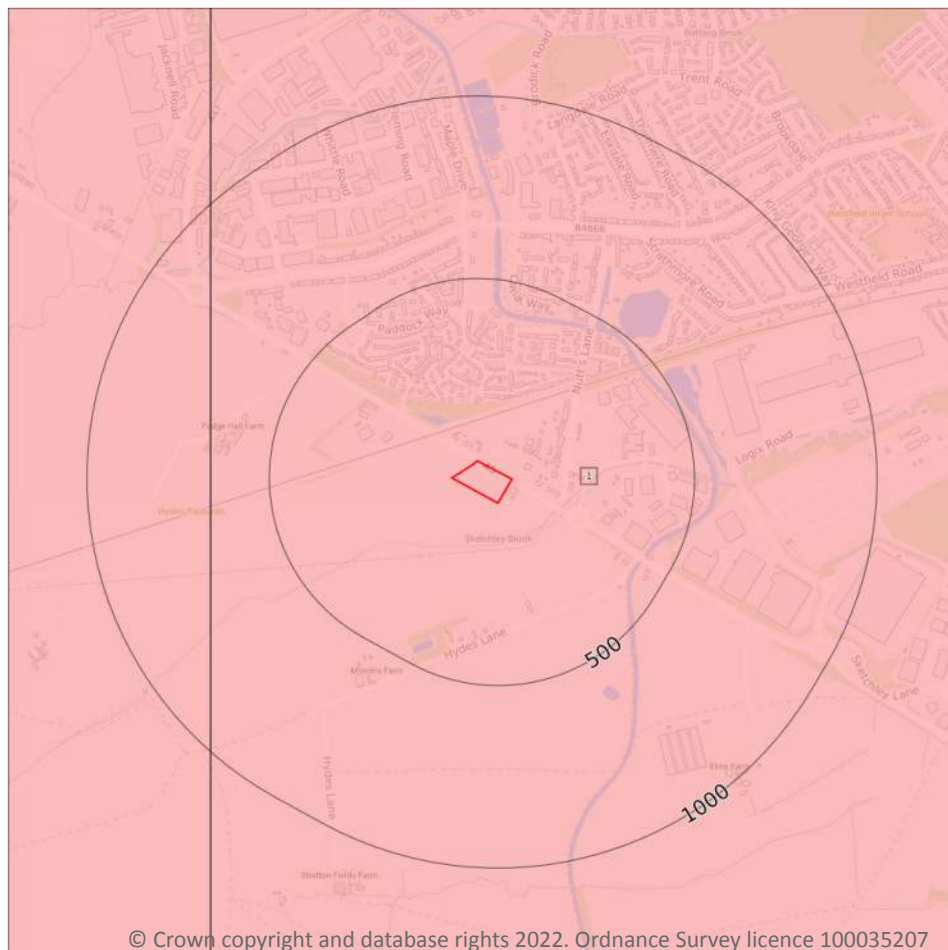
0

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



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (10k)
- Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

1

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.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 152**

ID	Location	LEX Code	Description	Rock age
1	On site	MMG-MDST	Mercia Mudstone Group - Mudstone	Rhaetian Age - Early Triassic Epoch

This data is sourced from the British Geological Survey.



14.6 Bedrock faults and other linear features (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- ☐ Geological map tile

15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 154**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW169_coventry_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

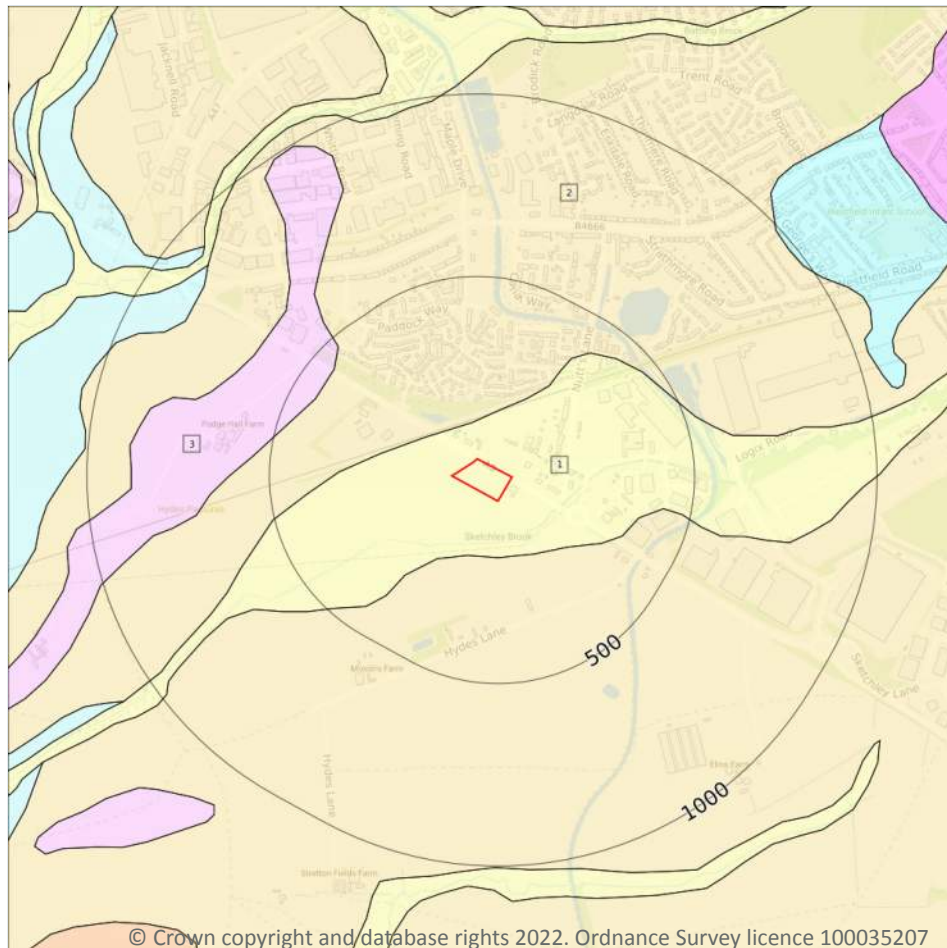
Records within 50m

0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial 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 - 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 156**

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	99m N	BOSW-XCZ	BOSWORTH CLAY MEMBER	CLAY AND SILT
3	429m NW	ANSG-XSV	ANKER SAND AND GRAVEL	SAND AND GRAVEL

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	Very Low

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 158**

ID	Location	LEX Code	Description	Rock age
1	On site	MMG-MDST	MERCIA MUDSTONE GROUP - MUDSTONE	-

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	Fracture	Low	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



16 Boreholes

16.1 BGS Boreholes

Records within 250m

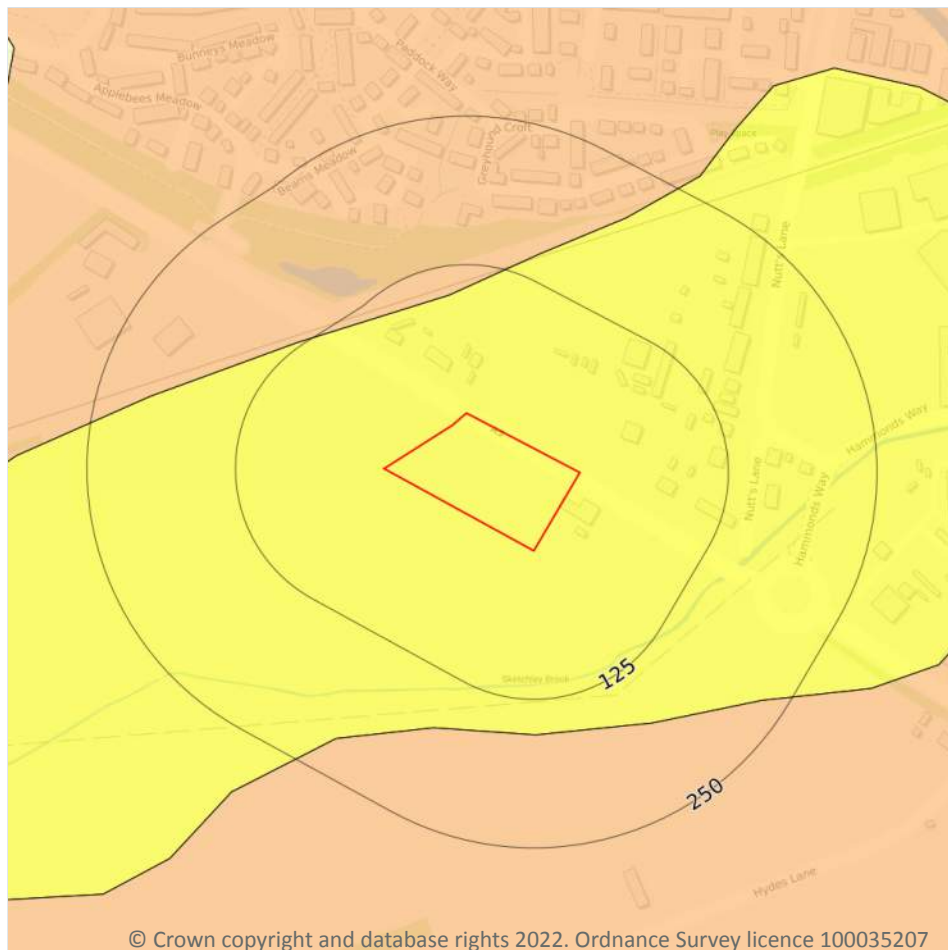
0

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.

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

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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).

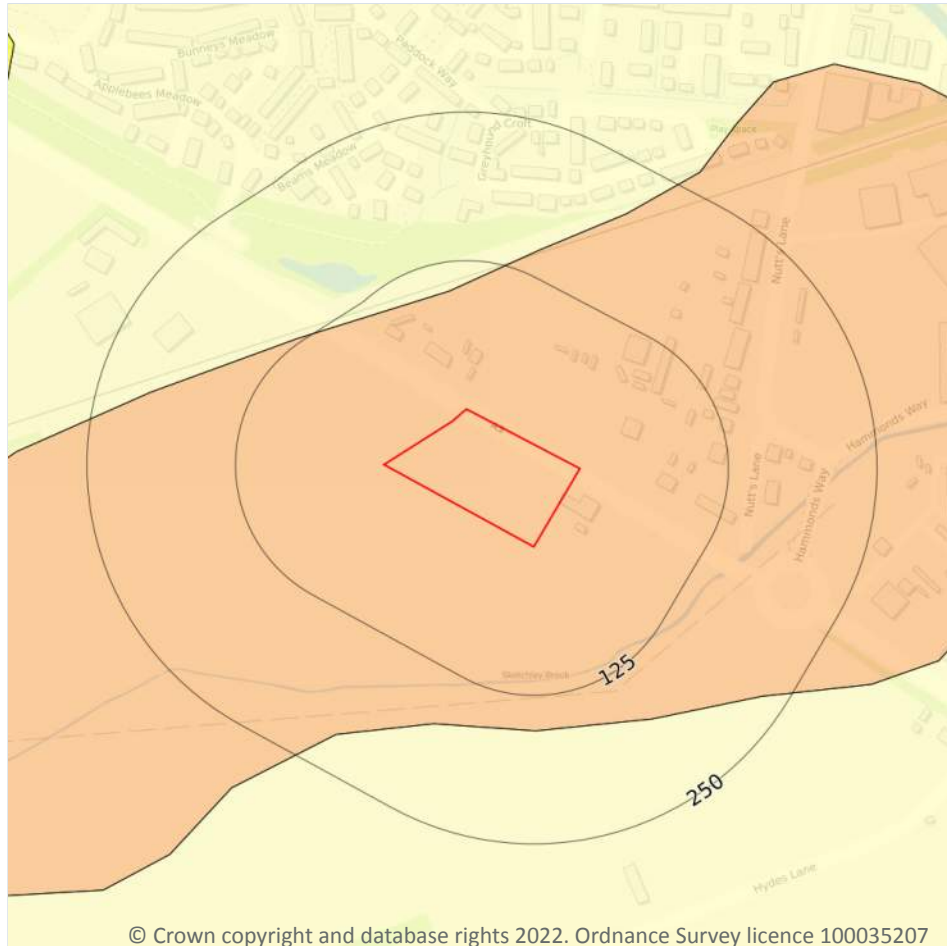
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 161**

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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

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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.

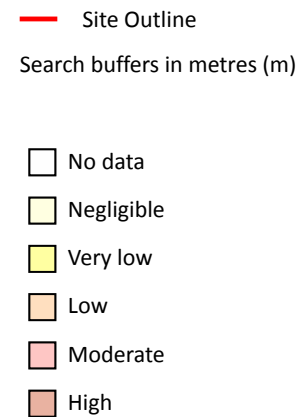
Features are displayed on the Natural ground subsidence - Running sands map on **page 162**

Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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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.

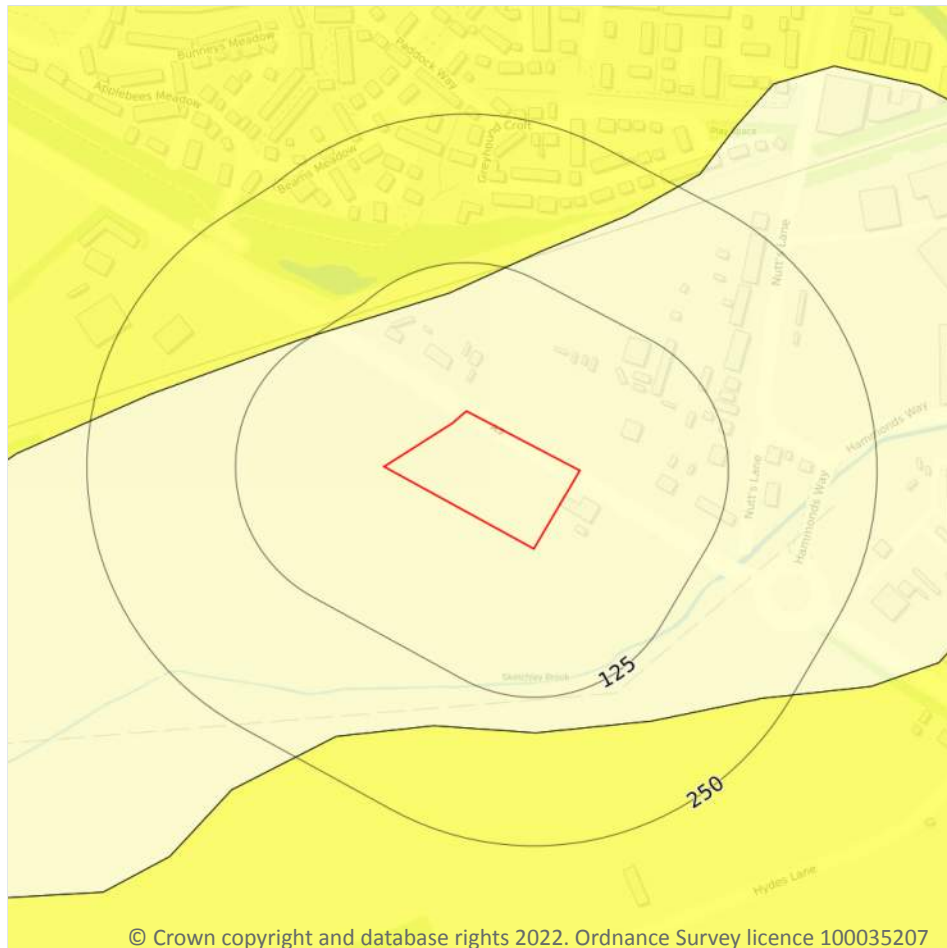
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 163**

Location	Hazard rating	Details
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

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

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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 164**

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



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- 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 165**

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



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

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 166**

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, ground workings and natural cavities

18.1 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.

18.2 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.

18.3 Surface ground workings

Records within 250m

0

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.

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

0

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

This data is sourced from Ordnance Survey/Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

0

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.

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 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.

18.8 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.

18.9 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.



18.10 Brine areas

Records on site	0
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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.

18.11 Gypsum areas

Records on site	0
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

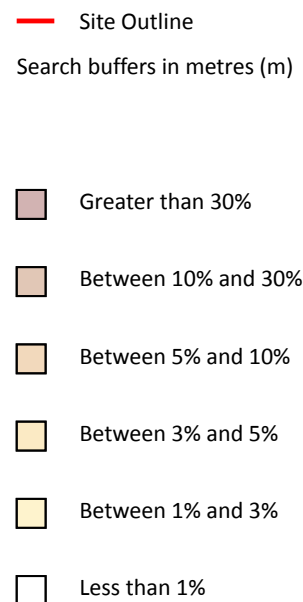
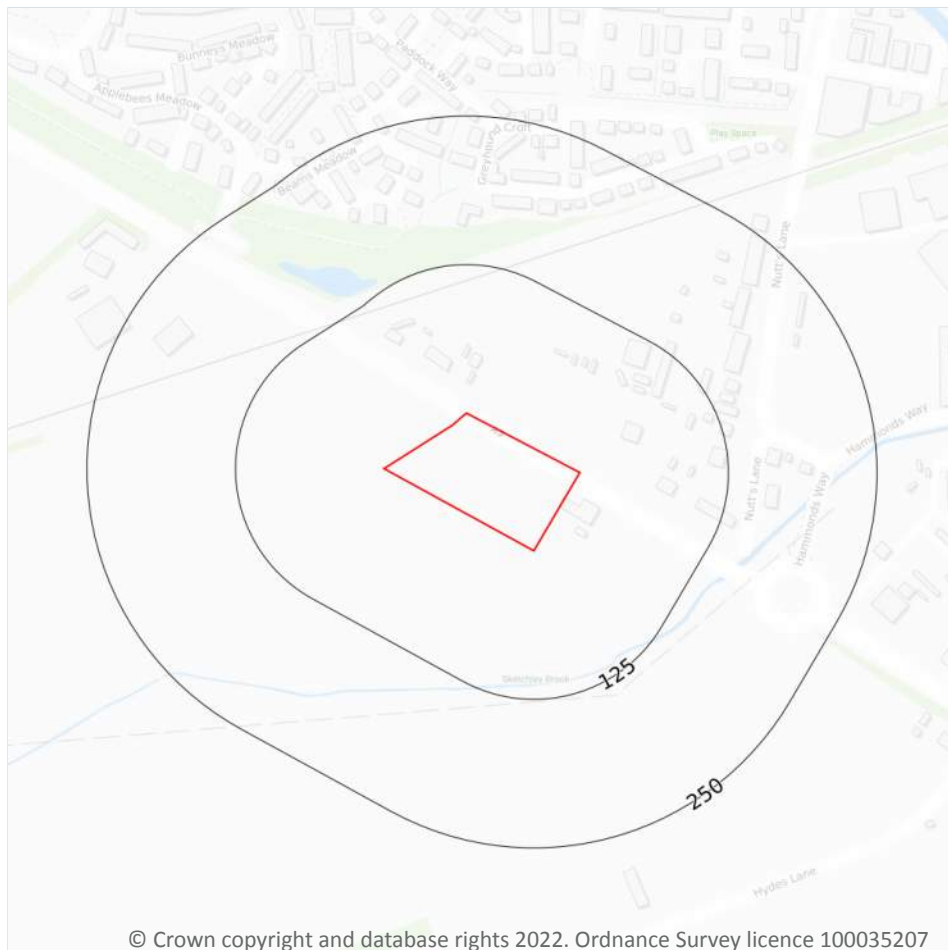
18.13 Clay mining

Records on site	0
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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 Radon



19.1 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 171**

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.



20 Soil chemistry

20.1 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 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
3m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 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.

20.3 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.



21 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

21.1 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.

21.2 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.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

0

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.

This data is sourced from Ordnance Survey/Groundsure.

21.5 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.

21.6 Historical railways

Records within 250m

3

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

Features are displayed on the Railway infrastructure and projects map on **page 174**

Location	Description
137m N	Abandoned
237m NW	Historic
237m NW	Razed

This data is sourced from OpenStreetMap.



21.7 Railways

Records within 250m

7

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on **page 174**

Location	Name	Type
104m N	Birmingham to Peterborough Line	rail
106m N	Not given	Multi Track
108m N	Birmingham to Peterborough Line	rail
123m NW	Birmingham to Peterborough Line	rail
128m NW	Birmingham to Peterborough Line	rail
128m NW	Birmingham to Peterborough Line	rail
133m NW	Birmingham to Peterborough Line	rail

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 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.

21.9 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.

21.10 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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