SITE CONDITION REPORT

Anochrome Limited July 2024

Contents **Page**

Site Condition Report

1 Site Details	
Name of the applicant	Anochrome Limited
Activity address	Reservoir Place, Walsall, West Midlands, WS2 9RZ
National grid reference	SO 99630 97680 (Easting 399636, Northing 297682)

Document reference and dates for Site Condition Report at permit application and surrender	Site Condition Report dated July 2024 in support of Anochrome Limited's Permit Variation Application dated July 2024

Document references for site plans (including location and boundaries)	All relevant plans are included in the accompanying application document: Plans Drawings July 2024.

Note:
In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.
- Locations of receptors, sources of emissions/releases, and monitoring points.
- Site drainage.
- Site surfacing.

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

2.0 Condition of the land at permit issue	
Environmental setting including: • geology • hydrogeology • surface waters	An environmental consultancy was engaged to undertake a desktop study for the Anochrome Limited site in order to support the permit variation application. Information provided within this Site Condition Report reflect a summary of the output of the aforementioned study; numerous sources referenced in this work are included in the supporting information section. **Site Setting** The Anochrome Limited site is located on Reservoir Place, approximately 1.5 km southwest of Walsall town centre, in the Pleck area located northeast of the A4038 Darlaston Road and the Walsall Canal and within 0.5 km of the M6 located to the west. The total area of the site is approximately 8800 m2; it is relatively flat with a slight slope, ranging in elevation of 136 m AOD in the north to 135 m AOD in the south.

	The site is directly bordered by a mosque and educational centre to the north, with a residential area to the northeast beyond the road. A residential area lies directly adjacent to the eastern boundary and industrial units to the south, with the Walsall Canal located beyond. An historic copper works of approximately 18 Ha lies to the west which is currently being remediated and developed for future commercial use. The site itself comprises four large buildings that house offices, factory facilities and warehouses. A small office block is situated to the south of the main offices in the centre of the site. Industrial surface treatment of metals takes place within the main site buildings in the north and east of the site. Bay 3, which is due to house new industrial surface treatment equipment, is located along the southern boundary and occupies an area of approximately 900 m2. *(Refer Figures 1 and 2 in Appendix A below)* <u>Nearby Environmentally Sensitive Sites:</u> There are no ecological designations such as Sites of Special Scientific interest (SSSI), Ramsar sites, Special protection areas (SPA), National Nature Reserves (NNR), Local Nature Reserves (LNR), Designated ancient woodlands or biosphere reserves within 2 km of the site. The site does, however, lie within a SSSI impact risk zone which are zones '*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.'* It is considered unlikely that the proposed development at Anochrome Limited falls into a development category that requires consultation. Two records of priority habitats lie within 250 m of the site and include two areas of deciduous woodland to the northwest. One area of open mosaic habitat is recorded within 250 m. *'Sites verified as Open Mosaic Habitat…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 particular site is located 12 m to the west of Anochrome. *(Refer Figure 3 in Appendix A below)*

Visual and Cultural Designations:

Visual and cultural designations include world heritage sites, areas of outstanding natural beauty, national parks, listed buildings, conservation areas, scheduled ancient monuments and registered parks and gardens. None are listed within 250 m of the site.

Geology

Superficial Geology:

Made Ground is present on site though the thickness has not been identified. This is underlain by superficial geology which comprises Devensian Till (diamicton), described as *'unsorted and unstratified drift, generally overconsolidated, deposited directly by and underneath a glacier without subsequent reworking by water from the glacier. It consists of a heterogeneous mixture of clay, sand, gravel, and boulders varying widely in size and shape (diamicton).'*

Glaciofluvial deposits, Devensian sand and gravel lie to the north and southwest of the site. These deposits were deposited by meltwater streams and include '*mostly coarse-grained sediments (i.e. sand and gravel) with some finer-grained layers (i.e. clay and silt). Sand and gravel, locally with lenses of silt, clay and organic material.'* Thicknesses of these deposits are not available.

The maximum permeability of the Made Ground and the Till are described as very high and high respectively.

(Refer Figure 4 in Appendix A below)

Bedrock Geology:

The bedrock geology comprises Pennine lower coal measures formation – mudstone, siltstone and sandstone, described as *'interbedded grey mudstone, siltstone and pale grey sandstone, commonly with mudstone containing marine fossils in the lower part, and more numerous and thicker coal seams in the upper part.'* These measures are up to 650 m thick in the North Staffordshire (potteries) coalfield and 720 m in Lancashire.

To the north of the site lies the sandstone of the Pennine Lower Coal Measures. Twenty records of linear features at the ground or bedrock surface are recorded within 500 m of

	the site and include coal seams, normal faults and buried channels or valley margins. These features have either been observed or inferred and relate primarily to bedrock. The maximum permeability of the bedrock is described as moderate. *(Refer Figure 5 in Appendix A below)* <u>Boreholes:</u> There are sixty-one British Geographical Survey (BGS) boreholes located within 250 m of the site, with one present on the site. A number of deep boreholes were viewed on the BGS (onshore) Geoindex and a summary of the geology encountered in four of the closest boreholes is available along with their locations. *(Refer Figures 6 and 7 in Appendix A below)* <u>Mining and Quarrying:</u> The site is located within a development high risk area, an area of probable shallow coal mine workings and within a mine entry potential zone of influence with several mine entries located on and within the vicinity of the site. Three disused mine shafts are present on the site, located in an approximate north to south line from the centre of the site. A fourth disused shaft is located adjacent to the southwestern corner of the site. Several disused shafts are located to the northeast, north, west and south of the site. There has been no past mining recorded however, probable unrecorded shallow working may be present with Fireclay Coal outcrops at 19.1 m southeast of the site. Fireclays are described as sedimentary mudstones that occur as the 'seatearths' that underlie almost all coal seams and represent the fossil soils on which coal-forming vegetation once grew and they are mainly used in the manufacture of clay products, principally bricks. No faults, fissures, breaklines are recorded, or opencast mines and Coal Authority managed tips, within 500 m of the site boundary. There are no records of remediated sites within 50 m of the boundary. No damage claims for coal mining subsidence for the property or any property within 50 m since 1994, and no stop notices recorded.

	No mine gas or mine water treatment schemes are recorded within 500 m of the site boundary and there is no record of licensing or future mining activity in the area. *(Refer Figure 7 in Appendix A below)* Radon: Information from UK radon.org shows that the site is located in an area with radon potential of between 5% and 10%. **Hydrogeology** DEFRA's Magic Map Application indicates that the site is located on a Secondary undifferentiated aquifer (unproductive strata) for superficial deposits. These aquifers are those which *'it is not possible to apply either a Secondary A or B definition because of the variable characteristics of rock type. These have only a minor value.'* The glaciofluvial deposits located within 250 m of the site to the north and southwest, and the Coal Measures bedrock are classed as secondary A aquifers, defined as aquifers which *'comprise layers that can support local water supplies, and may form an important source of base flow to rivers.'* Groundwater Vulnerability: According to Magic Map, the groundwater vulnerability is classed as medium to low. A Groundsure report (reproduced in Appendix C) states that both the secondary superficial aquifer and the secondary bedrock aquifer are low vulnerability. *(Refer Figures 8 and 9 in Appendix A)* Groundwater Abstraction and Source Protection Zone (SPZ): No source protection zones (SPZ) lie within 500 m of the site. There are 17 licensed groundwater abstractions extracting more than 20 cubic metres of water a day listed within 2000 m of the site in the Groundsure report. One active abstraction and one historical abstraction are located on site. No licensed potable water abstractions are present within 2000 m of the site. *(Refer Figure 10 in Appendix A below)*

	Groundwater Bodies: The Water Framework Directive list one record of groundwater bodies on site, this is the Tame Anker Mease - Coal Measures Black Country which has a good chemical rating. Groundwater is anticipated to flow in a south-westerly direction towards the River Tame, although locally groundwater flow directions may be variable due to anthropogenic influences. *(Refer Figure 11 in Appendix A below)* **Hydrology** The nearest watercourse to the site is the Walsall Canal located approximately 100 m to the south at its closest point. The River Tame and Sneyd Brook lie within 1 km of the site to the west. The River Tame flows roughly north to south to the west of the site before flowing in a south-easterly direction. The site sits within the Water Framework Directive surface water body catchment for the River Tame (W/ton Arm). Flooding: Based on information from the Gov.uk planning services, the site lies within Flood Zone 1 which is described as having a low probability of flooding from rivers and the sea. The highest risk from surface flooding calculated based on extreme rainfall events is 1 in 30 year, 0.1 m - 0.3 m and risk from groundwater flooding based on a 1 in 100 year return period and a 5 m Digital Terrain Model (DTM) is low. *(Refer Figure 12 in Appendix A below)* Surface Water Abstractions: Nine records of licensed surface water abstractions, with abstraction of more than 20 cubic metres per day, lie within 200 m of the site; this includes both active and historical records. Licensed Discharges to Controlled Waters: There are 17 licensed discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991, within 500 m of the site.
Pollution history including:	**Potential Contaminative Land Uses**

• pollution incidents that may have affected land • historical land-uses and associated contaminants • any visual/olfactory evidence of existing contamination • evidence of damage to pollution prevention measures	No active or recently closed landfills are present within 500 m of the site, however, 25 historical landfills identified from Local authority/mapping records (majority being classed as refuse tips on 1962 maps) lie within 500 m of the site. Environment Agency (EA/ Natural Resources Wales (NRW) records show 3 historical landfills lie within 500 m of the site located to the west and northwest of the site. Two historical waste sites and one licensed waste site lie to the east, west and south-east of the site. There are several current potentially contaminative industrial sites located within 250 m of the site listed in the Groundsure report including a generic tank, a telecoms mast, electricity substation and unspecified factories; a petrol station lies within 500 m to the south of the site. Three records of discharges of substances identified on List I of European Directive 2006/11/EC and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015, and two records of 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, are present within 500 m of the site and were under IMI Refiners Ltd formerly James Bridge Copper Works. The substances included mercury (other) and cadmium (List I) and Chromium, Copper, Lead, Nickel, Zinc (List II) with the receiving water being the River Tame; these discharges are no longer active. **<u>Pollution Incidents</u>** One record of a substantiated pollution incident 250 m NW of the site was listed from 2001 with the pollutant described as fumes, with minor air impact. There was no impact to land or water. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents. *(Refer Figures 13 and 14 in Appendix A below)* **<u>Unexploded Ordnance (UXO)</u>** No records of historical military land are located within 500 m of the site and therefore the likelihood of encountering UXO is low. **<u>Historical Land Uses</u>**

	Anochrome Llimited is situated on land that historically formed part of the medieval Walsall Deer Park established by Sir William Ruffus in the 13th century. The land predominantly remained as pasture and meadowland for successive tenants and landowners until the 19th century when mineral deposits (coal, ironstone, clay) on the land began to be exploited. An 'Alum Well' located on the land was noted for its therapeutic spa water and the wider area became locally known as Alumwell. The 1832 and 1868 HMSO Boundary Commission Report maps describe the land as being Walsall Park or Park. James Bridge Colliery, centred approximately 300m west of the current Anochrome Limited site, was established in 1855. The colliery land is clearly shown along with the presence of associated coal shafts, gravel pits and colliery spoil mounds in successive ordnance survey maps covering the period 1885 to 1904. From 1888 onwards, records indicate that brick manufacturing was developed as the principal activity of the company owned by Henry Boys that leased and operated the James Bridge Colliery site. The buildings of the successor James Bridge Brick Works can be seen on the ordnance survey maps of 1903 and 1904. Land lease records indicate that both the manufacture of bricks and the mining of coal ceased with the expiry of the land lease in 1911. In 1920, the majority of the land and buildings of the former James Bridge Brick Works were purchased by The Wolverhampton Metal Company Ltd, Wednesfield, for use as a copper smelting works. Aerial photograph EPW021005 shows the extant buildings of the James Bridge Copper Works in 1928. In 1931, the copper works were ordered to close indefinitely due to complaints from Walsall Town Council about the nuisance caused by the smelting of sulphurous ores and the resultant matter emitted from the works chimneys which was considered to be affecting much of Walsall. The works subsequently re-opened in 1932 with taller emission chimneys. In 1946 James Bridge Copper Works was floated as a public company and in 1953 new smelting processes were introduced resulting in the company becoming leaders in the reclamation of copper from waste materials. As a consequence, mounds of ash and residues from other foundries, old motor-car parts, and similar scrap were held above ground at the site prior to smelting; the 1962 SO 9997NW ordnance survey map indicating the presence of

	numerous refuse tips on the James Bridge Copper Works site. The reclamation process also recovered other metals such as aluminium and steel from the input waste material. The James Bridge Copper Works site and buildings were systematically modernised and developed over a 20-year period from 1964 through the introduction of new electrowinning and electrolytic processes aimed at increasing the production of more pure high-grade copper. The site infrastructure and building footprint was also extended and the 1972 SO 9997NE ordnance survey map shows a copper works building being situated 50m west of the Anochrome Limited site. On October 1st 1971, James Bridge Copper Works Ltd became known as IMI Refiners Ltd and the business continued to operate under that name until the copper works and site were closed in 1999. At present, the site is undergoing extensive land remediation activity as part of the Spark project aimed at developing the brownfield site as a future logistics and manufacturing hub. The land on which the current Anochrome Limited site is situated falls: a) within the land package leased to Henry Boys for mining and brick manufacturing activity from the late 19th century until 1911 b) outside the land package that was sold in 1920 to The Wolverhampton Metal Company Ltd and which ultimately became the James Bridge Copper Works site Successive ordnance survey maps covering the period 1886 to 1947 and aerial photographs from 1948 and 1949 show the land as being undeveloped with the 1937 Land Utilisation Survey of Britain Sheet 62 map indicating the land as being fit for arable use. The infrastructure and footprint of the current Anochrome Limited site was principally developed by two separate legal entities: Anochrome Limited and Church and Bramhall Limited. These two companies engaged in the following business activities: a) Anochrome Limited specialised in the surface treatment of metals b) Church and Bramhall Limited specialised in steel stockholding

	Anochrome Limited was registered as a company on February 27th 1946 and initially operated out of premises in Prince Street, Walsall. In 1949, the company were granted permission to build a new Class V factory along with accompanying warehouse premises at the Alumwell Road Industrial Site. Aerial Photo - raf_540_327_v_5220 taken on May 11th 1950 shows the land beginning to be developed. In 1952, planning permission was granted to extend the existing factory and the address was now referred to as Reservoir Place. The outline existence of Reservoir Place can be seen on the ordnance survey Sheet 32/99 – B map published in 1951. Aerial Photo - raf_82_780_vp3_0521 taken on May 7th 1953 shows the extant Anochrome Limited infrastructure and site along with adjacent infrastructure and site being developed by Church and Bramhall Limited; the latter company being granted permission to build a warehouse and office block at Reservoir Place in 1950. Over time, both Anochrome Limited and Church and Bramhall Limited developed their respective Reservoir Place sites through the extension of existing buildings or the addition of new buildings. These changes occurred at different times and the infrastructure and footprint progression can be seen in the ordnance survey maps covering the period from 1962 to 1979. These maps indicate that: a) Church and Bramhall Limited had completed their site infrastructure development by 1972 b) Anochrome Limited had completed their site infrastructure development by 1979 The ordinance survey maps from 1962 to 1979 also indicate progressive infrastructure and footprint development for neighbouring businesses located on Reservoir Place e.g. James Bridge Copper Works and the leather works owned by J & E Sedgwick & Co Ltd. Church and Bramhall Limited relinquished control of their Reservoir Place site in 1976 when the infrastructure and site were taken over by Leon Berner who also operated a steel stockholding business. The infrastructure and site continued to be used for steel stockholding purposes until occupied by Anochrome Limited in 2010. The current enlarged footprint of the Anochrome Limited site therefore comprises:

	a) the infrastructure and site developed by Church and Bramhall Limited which was complete by 1979 b) the infrastructure and site developed by Anochrome Limited which was complete by 1972 **<u>Site Reconnaissance</u>** Site walkovers were undertaken on April 19th 2024 and June 28th 2024. There was no observed evidence of extensive existing contamination or evidence of damage to pollution prevention measures. Observations of activities and conditions present at the site at the time of the walkovers are summarised. *(Refer Figure 15 in Appendix A below)*
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	There are no historical records of any intrusive investigation being undertaken at the site. A groundwater abstraction borehole was installed to 37.18 m in depth. This was drilled between 13 December 1989 to 30 January 1990 for commercial use by Anochrome Limited. The water is currently not being used owing to high concentrations of iron (likely to be naturally occurring); the borehole log is provided. *(Refer Figures 16, 17 and 18 in Appendix A below)*
Baseline soil and groundwater reference data	There is no known available historical baseline soil and groundwater reference data.
Supporting information	The following historical ordnance survey, boundary commission and ancillary maps dating back to 1832 were reviewed: HMSO Boundary Commission Report 1832, Walsall, 2 inches to 1 mile scale HMSO Boundary Commission Report, 1868, Walsall, 1 inch to 1 mile scale Staffordshire LXIII.SW, Surveyed: 1885, Published: 1886, 1 to 10560 scale Staffordshire LXIII.10 Surveyed: 1884, Published: 1887, 1 to 2500 scale Staffordshire LXIII.10 Revised: 1901, Published: 1903, 1 to 2500 scale Staffordshire LXIII.SW, Revised: 1901, Published: 1904, 1 to 10560 scale Staffordshire LXIII.10, Revised: 1912/1913, Published: 1917, 1 to 2500 scale Staffordshire Sheet LXIII.SW Revised: 1912/1913, Published: 1920, 1 to 10560 scale Staffordshire Sheet LXIII, Revised: 1912/1913, Published: 1921, 1 to 10560 scale Land Utilisation Survey of Britain Sheet 62, Burton & Walsall, Surveyed: 1931 to 1935, Published: 1937, 1 inch to 1 mile scale Staffordshire Sheet LXIII.SW, Revised: 1938, Published: ca. 1946, 1 to 10560 scale Sheet 32/99 - A, Published: 1947, 1 to 25000 scale Sheet 32/99 - B, Revised: 1912 to 1949, Published: 1951, 1 to 25000 scale SO99NE - A, Surveyed / Revised: Pre-1930 to 1955, Published: 1956, 1 to 10560 scale SO99NE - A Surveyed / Revised: 1953 to 1968, Published: 1968, 1 to 10560 scale SO 9997NW Published: 1962, 1 to 1250 scale

	SO 9997NE, Published: 1962, 1 to 1250 scale SO 9997SE, Published: 1962, 1 to 1250 scale SO 9997SW, Published: 1962, 1 to 1250 scale SO 9997NW Published: 1971, 1 to 1250 scale SO 9997SW Published: 1971, 1 to 1250 scale SO 9997NE, Published: 1972, 1 to 1250 scale SO 9997SE, Published: 1972, 1 to 1250 scale SO 9997NE, Published: 1979, 1 to 1250 scale SO 9997NE, Published: 1992, 1 to 1250 scale Historical maps have been attached in Appendix C in line with copyright permission. The following publicly available historic aerial photographs obtained from Britain From Above and Historic England websites were reviewed: EPW021005 ENGLAND (1928). James Bridge Copper Works, Pleck, 1928 EAW017759 ENGLAND (1948). The James Bridge Copper Works and T. Partridge and Co Ltd Works on the Walsall Canal, Pleck, 1948 EAW017762 ENGLAND (1948). The T. Partridge & Co Ltd Darlaston Road Factory and environs, Pleck, 1948. EAW024975 ENGLAND (1949). The F. H. Lloyd and Co James Bridge Steel Works and the surrounding area, Darlaston, 1949 EAW024976 ENGLAND (1949). The F. H. Lloyd and Co James Bridge Steel Works and the surrounding area, Darlaston, 1949 Aerial Photo - raf_540_327_v_5220 May 11th 1950 Aerial Photo - raf_82_780_vp3_0521 May 7th 1953 Aerial Photo - raf_543_2336_v2_0119 July 30th 1963 Historic planning records obtained from the Archive at Walsall Library and Walsall Council planning department were reviewed. The British Newspaper Archive was additionally used as a source to gather background information on historic land use, ownership, and publicised pollution incidents. Additional sources of reference and information are below: Groundsure Report Ref: GS-UQ6-QLR-YB6-9QQ 06.04.2024 (Appendix D) British Geological Survey (BGS) (onshore) Geoindex (https://www.bgs.ac.uk/map-viewers/geoindex-onshore/) Coal Authority Interactive Map Viewer https://mapapps2.bgs.ac.uk/coalauthority/home.html Consultants Coal Mining Report Reference 51003429973001 https://www.ukradon.org/information/ukmaps https://magic.defra.gov.uk/magicmap.aspx https://www.gov.uk/government/publications/protect-groundwater-and-prevent-groundwater-pollution/protect-groundwater-and-prevent-groundwater-pollution https://en-gb.topographic-map.com/

3.0 Permitted activities	
Permitted activities	Anochrome Limited specialises in the surface treatment of metal components. The

	'installation' is operated in accordance with environmental permit ref: EPR/BN0112IN which was issued in 2004 under the Pollution Prevention and Control (England and Wales) Regulations 2000 (PPC Regulations) as amended; the Permit was subsequently varied in 2010. EPR/BN0112IN allows Anochrome Limited to carry out activities at the site described in Section 2.3 Part A(1)(a) in Part 1 to Schedule 1 of the Environmental Permitting Regulations 2016 (as amended) as '*surface treating metals and plastic materials using an electrolytic or chemical process where the aggregated volume of the treatment vats is more than 30 m³'* The aggregate volume of the treatment tanks on the site is currently approximately 70 m³ which would rise to approximately 95 m³ if the permit variation is successful. The following directly associated activities have a technical connection with the surface treatment activity: 1) Storage and handling of input raw material chemicals and anode materials 2) Chemical preparation of component parts to be treated 3) Rinsing of the component parts to be treated 4) Drying of treated component parts 5) Post treatment of component parts after some processes 6) Fume extraction and abatement 7) Handling of spent process chemicals 8) Handling and storage of wastes 9) Water and effluent treatment 10) Cathodic electrophoretic painting
Non-permitted activities undertaken	Also included within the permit area is powder coating.
Document references for: • plan showing activity layout; and • environmental risk assessment.	All relevant plans are included in the accompanying application document: Plans Drawings July 2024. A Conceptual Site Model and Environmental Risk Assessment is detailed in Appendix B.

Note:

In Part B of the application form you must tell us about the activities that you will undertake at the site. You must also give us an environmental risk assessment. This risk assessment must be based on our guidance (*Environmental Risk Assessment - EPR H1*) or use an equivalent approach.

It is essential that you identify in your environmental risk assessment all the substances used and produced that could pollute the soil or groundwater if there were an accident, or if measures to protect land fail.

These include substances that would be classified as 'dangerous' under the Control of Major Accident Hazards (COMAH) regulations and also raw materials, fuels, intermediates, products, wastes and effluents.

If your submitted environmental risk assessment does not adequately address the risks to soil and groundwater we may need to request further information from you or even refuse your permit application.

4.0 Changes to the activity	
Have there been any changes to the activity boundary?	A previous change to the original permit activity boundary was sought and granted in 2010 (Variation notice number: EPR/BN0112IN/V002). This present substantial permit variation application is to vary the permit activity boundary to encompass the majority of the extant Anochrome Limited site. The existing and proposed activity boundaries are shown in Figure 19 in Appendix A.
Have there been any changes to the permitted activities?	A previous change to the permitted activities was sought and granted in 2010 (Variation notice number: EPR/BN0112IN/ V002). This successful variation introduced the directly associated activity of cathodic electrophoretic painting. This present substantial variation application relates to the following proposed changes to permitted activities: a) Installation of a new automatic VAT line to operate on more favourable less environmentally hazardous technology (acid zinc) in an existing building located within the proposed enlarged permit area b) Decommissioning and removal of the existing automatic VAT line which operates on less favourable more environmentally hazardous technology (cyanide zinc) c) Decommissioning and removal of the emission point to air (denoted A1 in the Permit) associated with the existing automatic VAT line
Have any ‘dangerous substances’ not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	This present substantial permit variation application will introduce new chemical raw materials to the site. The details of these are included in the accompanying application document: RM Usage and SDS July 2024.
Checklist of supporting information	• Plan showing any changes to the boundary (where relevant) • Description of the changes to the permitted activities (where relevant) • List of ‘dangerous substances’ used/produced by the permitted activities that were not identified in the Application Site Condition Report (where relevant)

5.0 Measures taken to protect land	
Existing measures taken at the site to protect land include: a) Maintaining the integrity of all existing chemical containment systems for treatment processes, warehouse storage, tank farms, buildings and effluent treatment facilities b) Maintaining the integrity of all existing impermeable site floor surfaces in all buildings, associated transport routes and walkways c) Maintaining the integrity of all existing impermeable site roadway surfaces d) Ensuring no process emissions to ground or groundwater occur at the site Proposed future measures at the site to protect land include: a) Designing and installing effective chemical supply, storage and containment facilities for the new Automatic VAT line b) Enhancing surface protection of the underlying impermeable floor where the new Automatic VAT line will be installed c) Decommissioning the existing automatic VAT line ensuring that no emissions to ground or groundwater occur Anochrome Limited will continue to implement the existing Environmental Management System (EMS) at the site to ensure an appropriate standard of maintenance, repairs and replacement of pollution prevention measures is maintained during the installation and operation of the new automatic VAT line and decommissioning of the existing Automatic VAT line. The existing EMS will also be reviewed and updated to include new and additional management and controls for the automatic VAT line. Appendix D contains: a) Examples of weekly environmental and health and safety audit check lists and findings b) Examples Pollution, Prevention and Maintenance (PPM) checklist and findings for the effluent treatment plant	
Checklist of supporting information	• Inspection records and summary of findings of inspections for all pollution prevention measures • Records of maintenance, repair and replacement of pollution prevention measures

6.0 Pollution incidents that may have had an impact on land, and their remediation	
There are no known substantiated pollution incidents linked to the site since the permit was granted.	
Checklist of supporting information	• Records of pollution incidents that may have impacted on land • Records of their investigation and remediation

7.0 Soil gas and water quality monitoring (where undertaken)	
There are no ongoing soil gas or water monitoring activities; it is expected that this will continue due to the low risk of a pollution incident resulting from existing or proposed site activities. Trade effluent water discharged to the foul water sewer is monitored in accordance with the requirements of a consent to discharge letter issued by Severn Trent Water Ltd on June 23rd 2010. Emission to air monitoring is carried out in accordance with the frequency and reporting requirements stipulated in the existing permit EPR/BN0112IN issued by the Environment Agency in 2004.	
Checklist of supporting information	• Description of soil gas and/or water monitoring undertaken • Monitoring results (including graphs)

8.0 Decommissioning and removal of pollution risk	
Not applicable until surrender of permit.	
Checklist of supporting information	• Site closure plan • List of potential sources of pollution risk • Investigation and remediation reports (where relevant)

9.0 Reference data and remediation (where relevant)	
Not applicable until surrender of permit.	
Checklist of supporting information	• Land and/or groundwater data collected at application (if collected) • Land and/or groundwater data collected at surrender (where needed) • Assessment of satisfactory state • Remediation and verification reports (where undertaken)

10.0 Statement of site condition
Not applicable until surrender of permit.

For full details, see H5 *SCR guide for applicants* v2.0 4 August 2008

COMPLETE SECTIONS 1-3 AND SUBMIT WITH APPLICATION

DURING THE LIFE OF THE PERMIT: MAINTAIN SECTIONS 4-7

AT SURRENDER: ADD NEW DOC REFERENCE IN 1.0; COMPLETE SECTIONS 8-10; & SUBMIT WITH YOUR SURRENDER APPLICATION.

Appendix A: Supporting Information

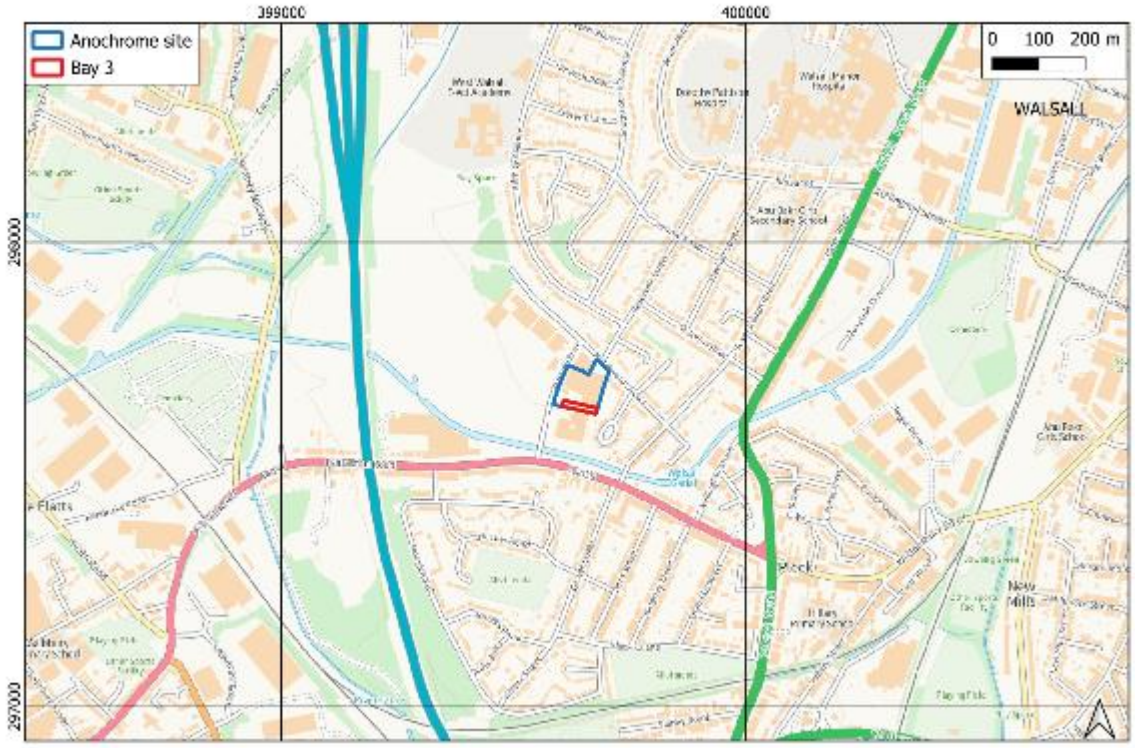


Figure 1: Site Location
Contains Ordnance Survey data © Crown copyright and database right 2024

Figure 2: Site Setting
Contains Ordnance Survey data © Crown copyright and database right 2024

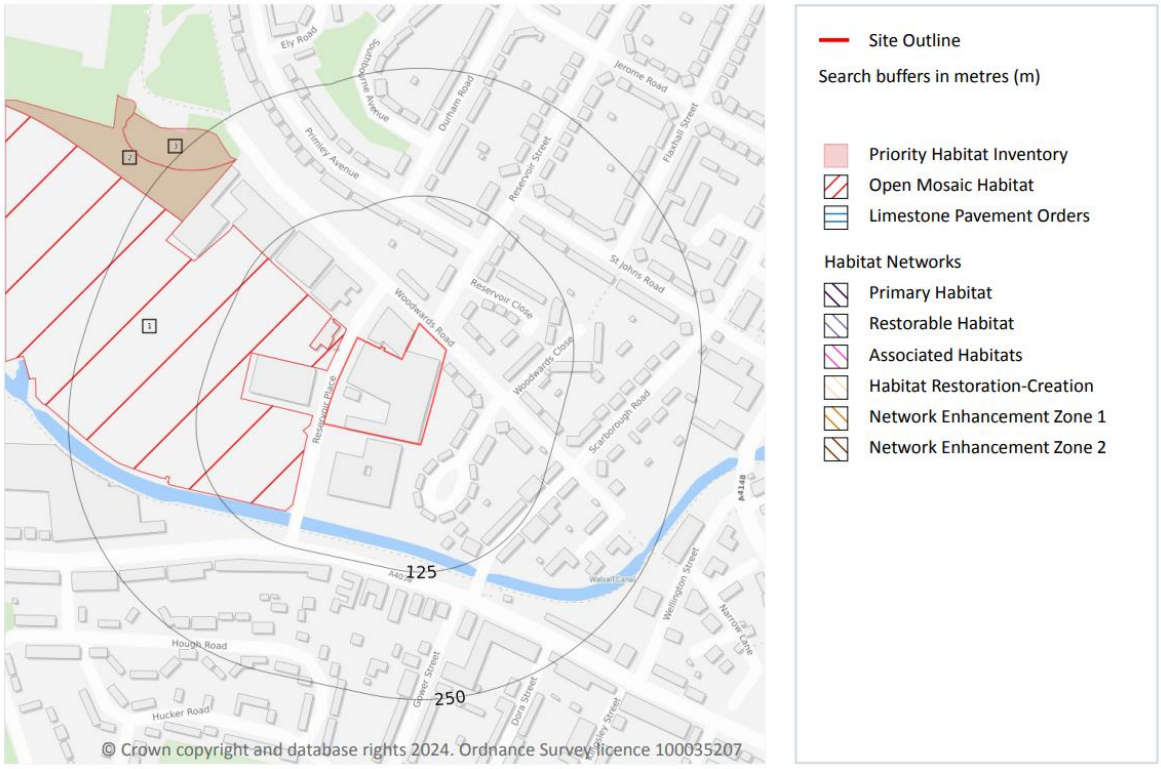


Figure 3: Habitat Designations

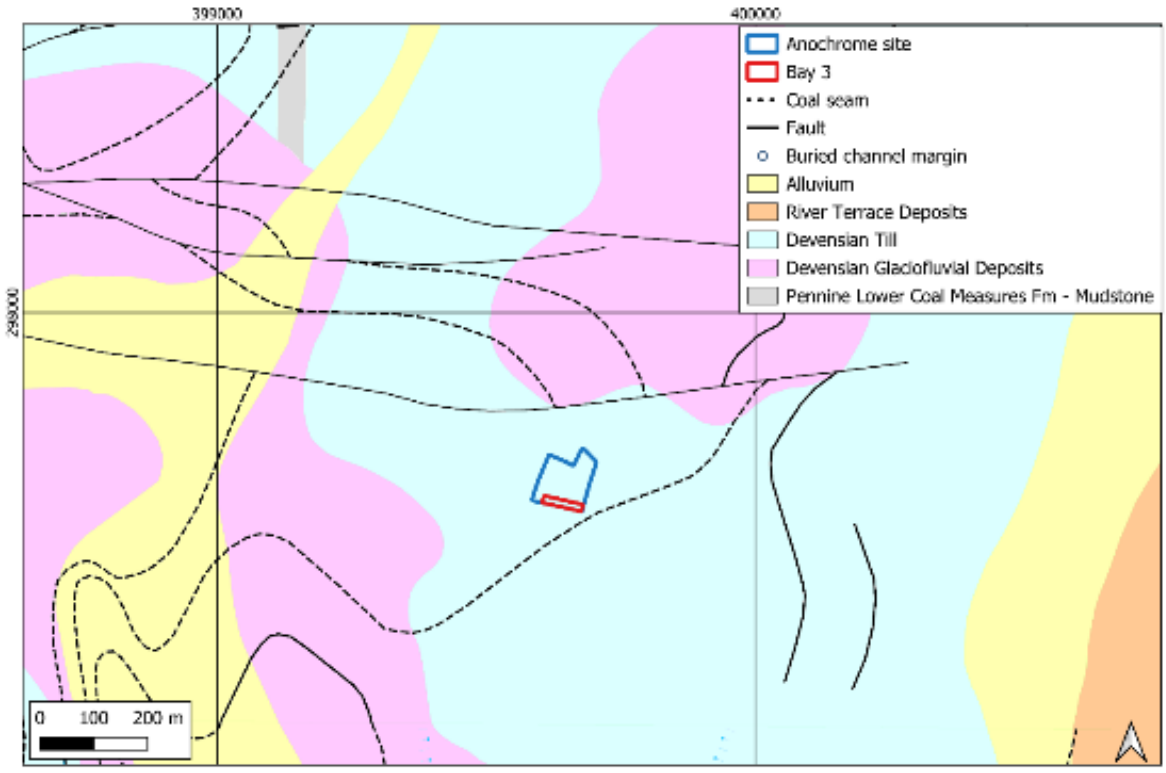


Figure 4: Superficial Geology

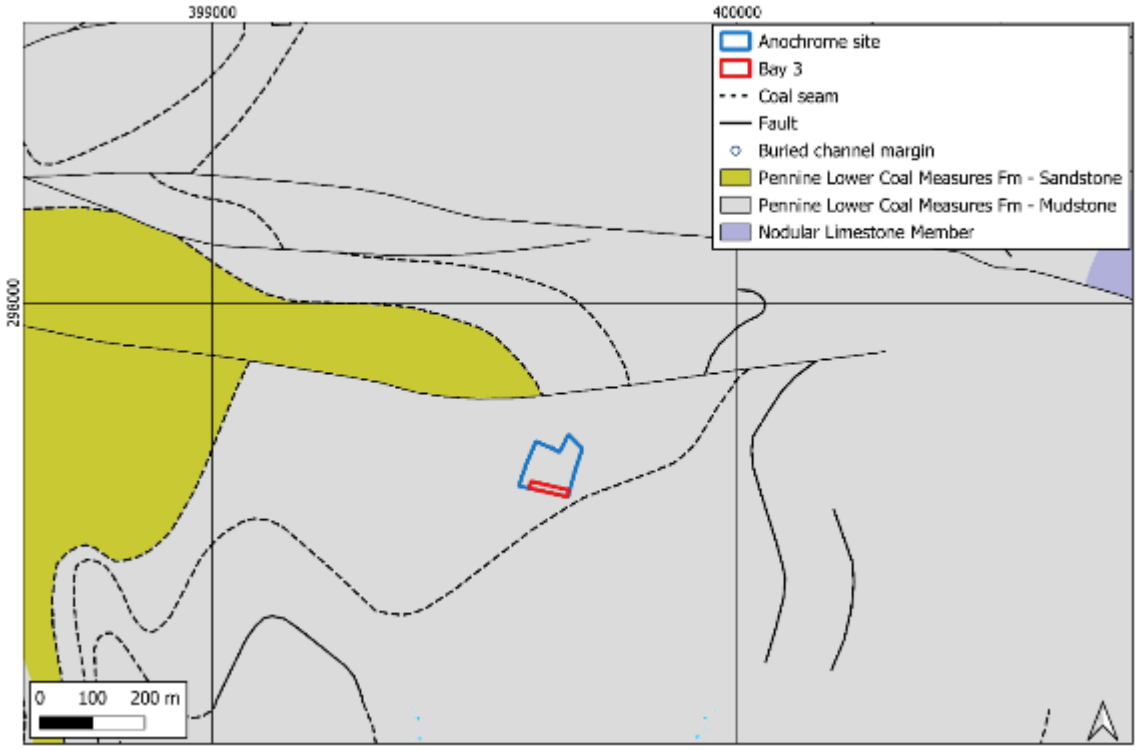


Figure 5: Bedrock Geology

BH HD	Owner	NGR	Distance from site (m)	Depth (m)	Details	Shallowest Coal recorded (m bgl)
SO99NE2539	Anochrome Ltd	399620, 297700	0	37.18	Till (0 m - 3.04 m bgl). Middle coal measures (MCM)* including clay, coal, shale, fine gravel and water bearing (3.04 m - 37.18 m bgl)	12.8
SO99NE3840	James Bridge Copper Works B	399370, 297690	220 E	11.88	Fill (0 m - 2 m bgl). Till (2 m - 3.7 m bgl). Lower Coal Measures (LCM) including clay and coal (3.7 m - 11.88 m bgl).	5.33
SO99NE865	James Bridge Colliery	399465, 297780	160 NE	28.5	Glacial Drift (0 m -9.6 m bgl). LCM including coal, fireclay, ironstone (9.6 m - 28.5 m bgl).	10.51
SO99NE3842	James Bridge Copper Works D	399380, 297670	220 E	11.04	Fill (0 m -3.5 m bgl). Till (3.5 m -4.8 m bgl). LCM including shale, clay, coal (4.8 m - 11.04 m bgl).	8.5

*Logged as Middle Coal Measures. BGS states Lower Coal Measures

Figure 6: Borehole Summary Table

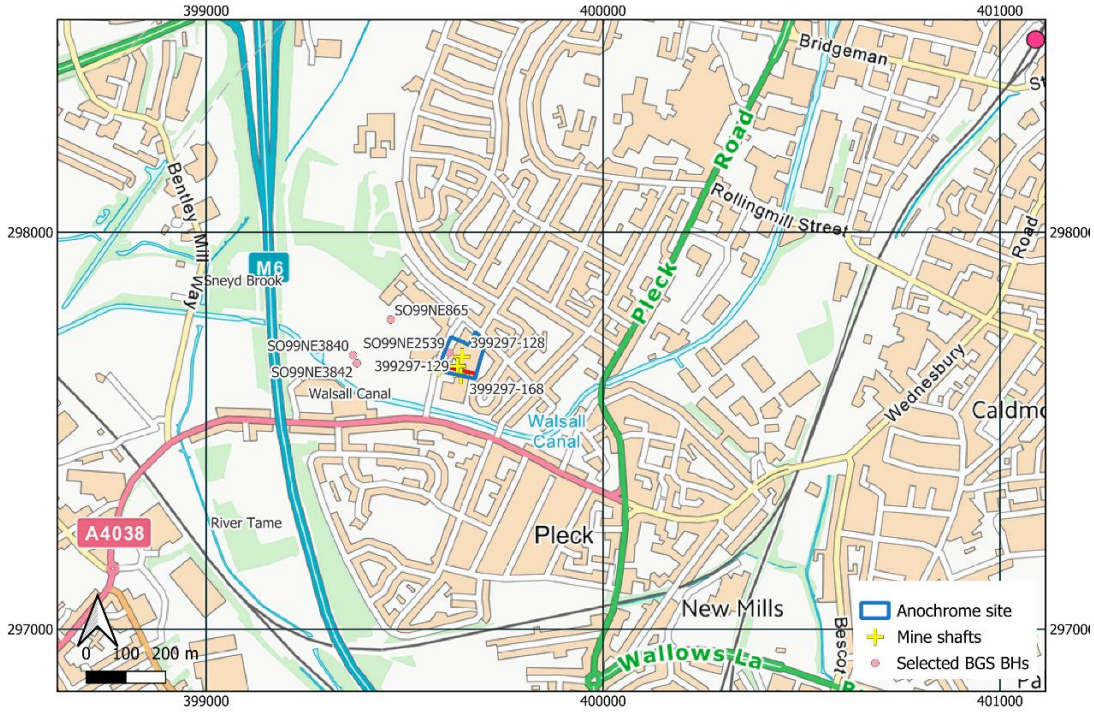


Figure 7: Selected Mine Shafts and Boreholes
Contains Ordnance Survey data © Crown copyright and database right 2024

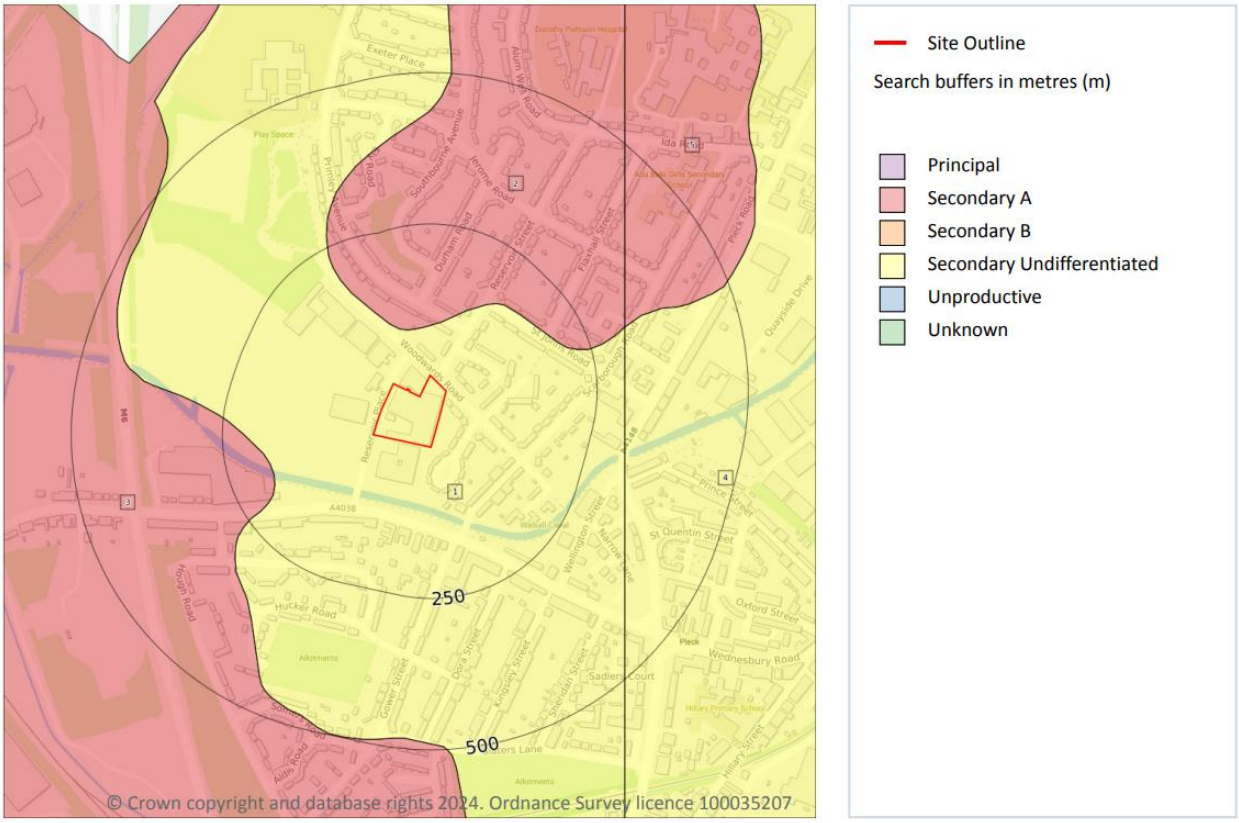


Figure 8: Superficial Aquifers

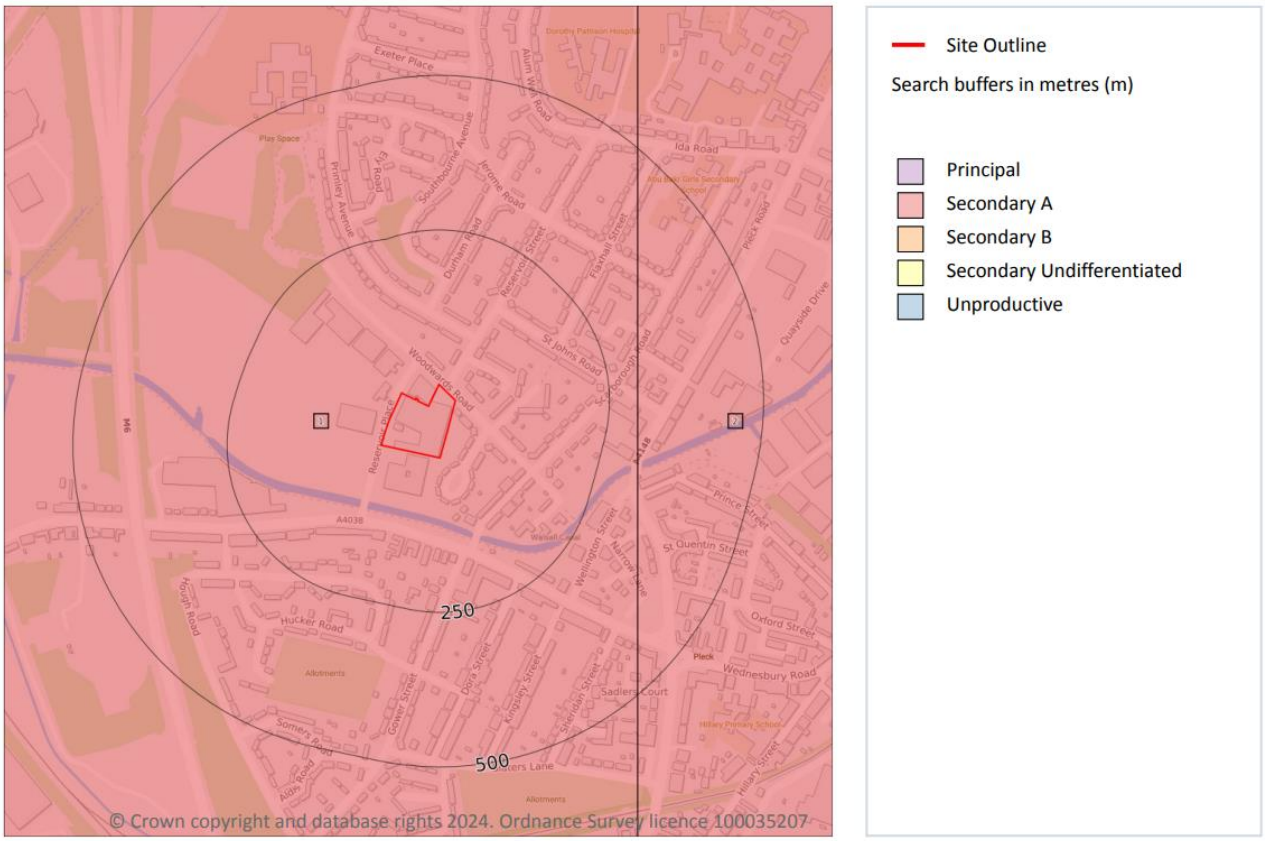


Figure 9: Bedrock Aquifers

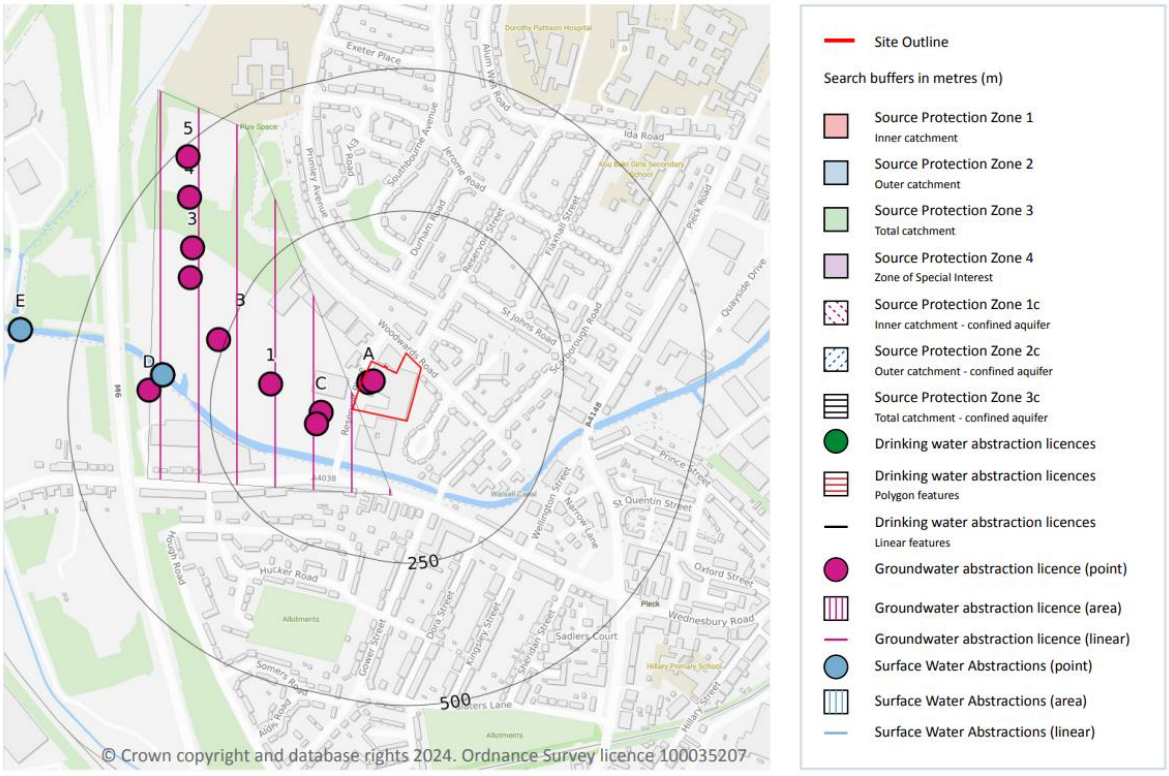


Figure 10: Abstractions and Source Protection Zones

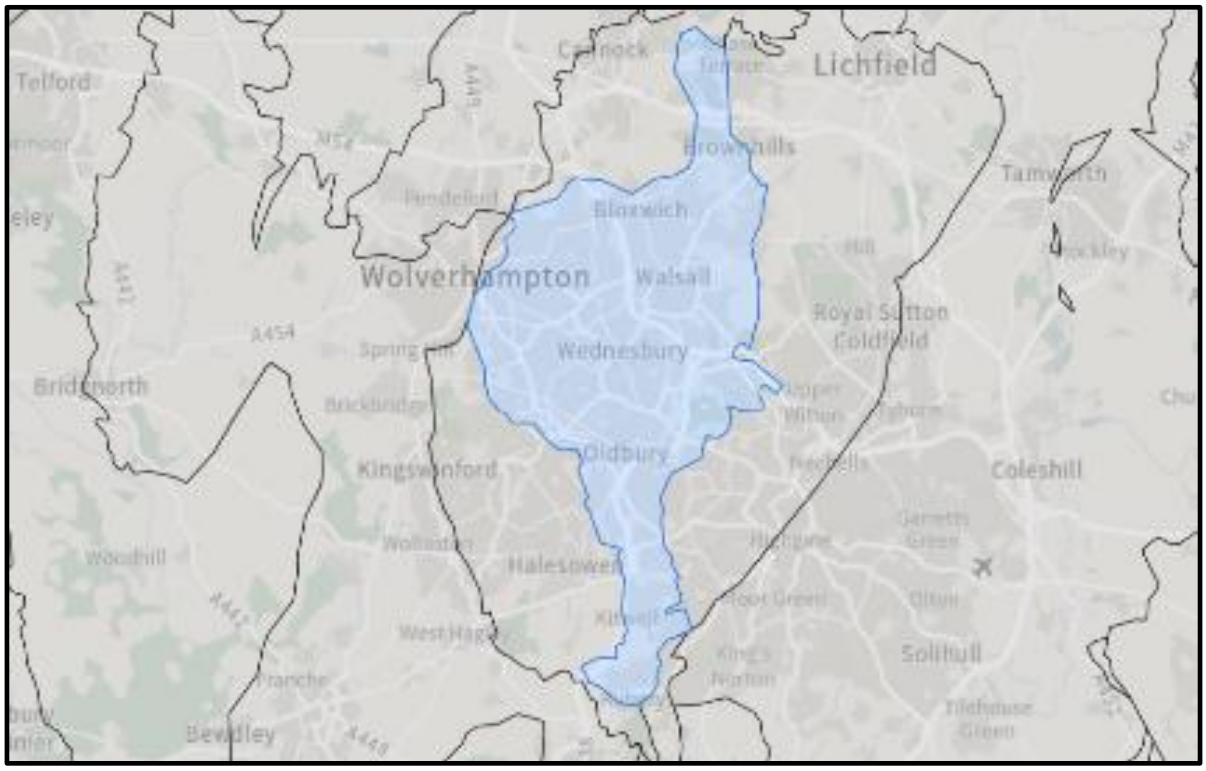


Figure 11: Tame Anker Mease Groundwater Body

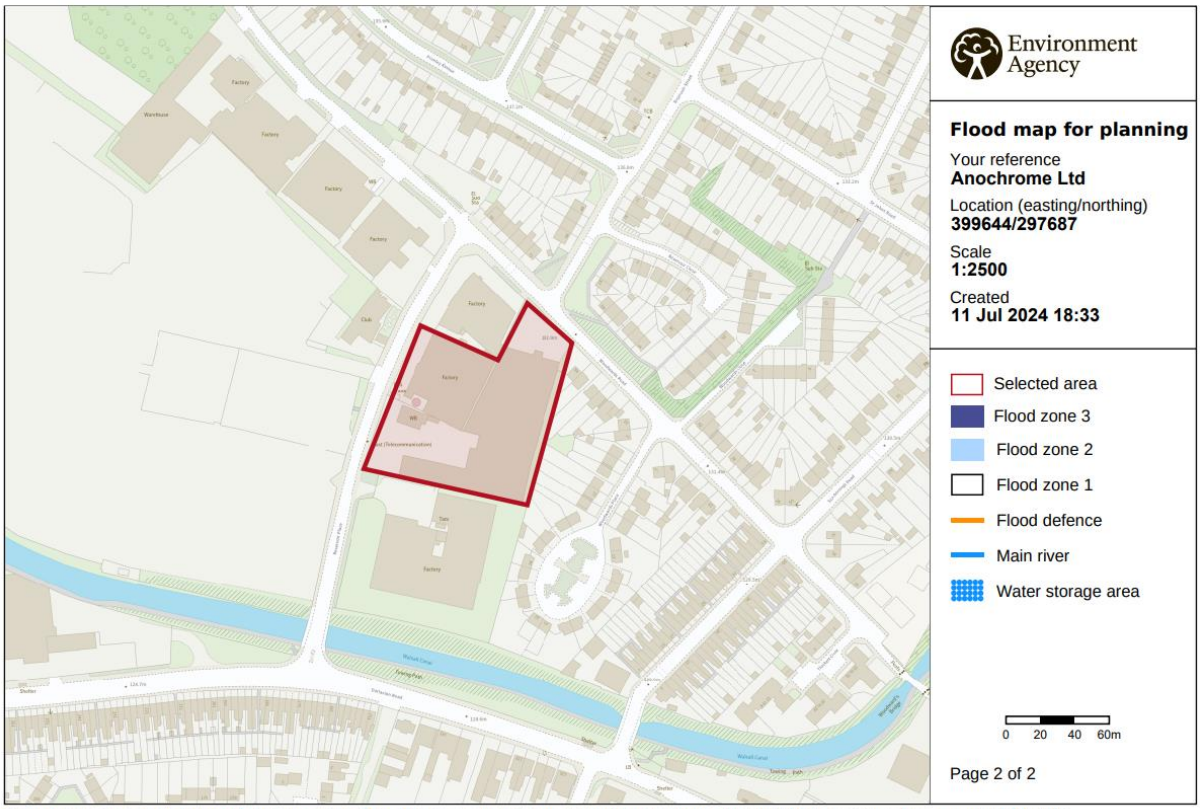


Figure 12: Flood Map for Planning

Records within 500m	1

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 48 >**

ID	Location	Details	
11	250m NW	Incident Date: 24/07/2001 Incident Identification: 18636 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

Figure 13: Substantiated Pollution Incidents

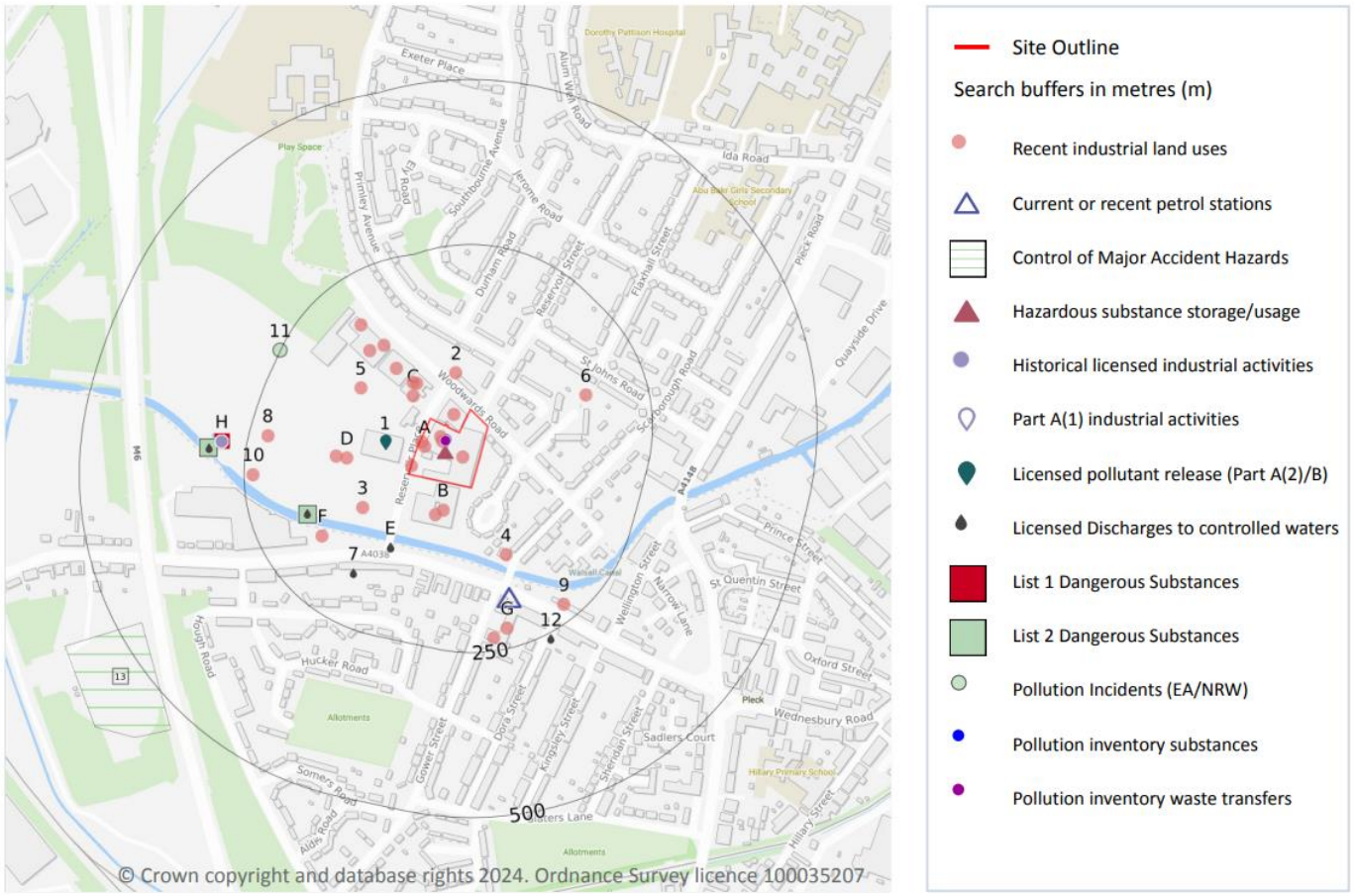


Figure 14: Current Industrial Land Use

Site Conditions	Comments
Potential sources of contamination/Visible signs of contamination	None observed outside. Some slight discoloration of the floor within Bay 3. Chemicals used within the process plant. Effluent is directed to the effluent treatment plant via sub-floor ducts. Treated effluent discharge is to sewer. Some fluid noted on the ground in the effluent treatment area within containment area.
Surface water appearance	None present on site.
Current surrounding land use	Site is directly bordered by a mosque and educational centre to the north, with a residential area to the northeast beyond the road. A residential area lies directly adjacent to the eastern boundary and industrial units to the south, with the Walsall Canal located beyond. An historic copper works (approximately 18 Ha), lies to the west and is currently being remediated for commercial use.
Local sensitive environments	None noted directly adjacent to the site within the local site vicinity during site walkover.
Visible signs of plant stress	No plants on site.
Ground cover	Impermeable concrete and tarmac with infrequent small, isolated areas of slight surface degradation noted in the exterior and similar infrequent small, isolated areas of slight surface degradation noted in the concrete slab in Bay 3. A narrow strip of land along the eastern boundary has recently been cleared, services re-laid, and the surface covered with clean hardcore.
Potential for on or off site migration of contaminants	None noted other than overland run-off. No open drains noted in the exterior
Buildings present	A large factory with offices is located in the north of the site with a small office block located directly to the south of this building. A large warehouse is present in the south of the site (Bay 3), along the southern boundary.
Additional comments	The new Automatic VAT line would be installed on land and premises that are currently being used for warehousing which were formerly used for steel stockholding activity.

Figure 15: Site Observations Table

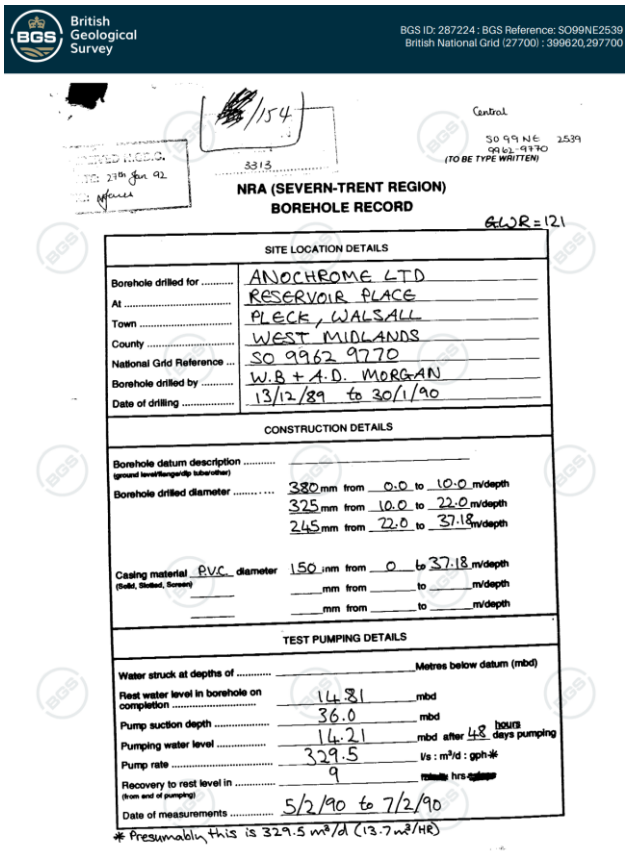


Figure 16: Borehole Log 1

SO99NE/2539

(TO BE TYPE WRITTEN)

N.G.R. SO 9962 9770 G.W.R.=121

STRATIGRAPHICAL LOG

Description of strata (ie. colour, grain size & lithology)	Thickness m	Depth m
TILL: CLAYS + GRAVELS	2.43	2.43
SURFACE WATER	0.61	3.04
MIDDLE COAL MEASURES: CLAYS	8.54	11.59
COAL	1.22	12.80
CLAYS	4.87	17.67
SHALES	2.14	19.81
AQUIFER	2.74	22.53
SHALE	6.40	28.95
CLAY	1.53	30.43
SHALE	4.57	35.05
UNCONSOLIDATED FINE GRAVEL WATER BEARING	2.13	37.18

Figure 17: Borehole Log 2

WELL AND PUMP DATA G.W.R.=121

W. B. & A. D. MORGAN
Water Well Drilling,
Electrical Engineers and Pumping Specialists
The Old Vicarage, Lyonshall,
Kington, Herefordshire HR5 3LN
Telephone LYONSHALL (05448) 297/577

Property owner's name and address:
ANOCHROME LIMITED
RESERVOIR PLACE
PLECK
WALSALL

SO99NE/2539

Remarks, Comments, etc.

NGR SO 9962 9770

Well depth 37.18m Datum point from which all measurements are taken Surface

Method of Drilling: ☐ Rotary hammer ☑ F.O.A. ☐ Direct rotary

Use: ☐ Domestic ☐ Irrigation ☐ Test Well ☐ Public supply ☐ Commercial ☐ Heating or cooling ☐ Industrial ☐ Monitoring ☐ _____

Temporary Casing
Hole Dia 380 m/m Casing Size 330 m/m Depth 10 m/m
Hole Dia 325 m/m Casing Size 250 m/m Depth 22 m/m
Hole Dia 285 m/m Casing Size _____ in/cm Depth 37 ft/m
Hole Dia _____ in/cm Casing Size _____ in/cm Depth _____ ft/m

Permanent Casing: ☐ Steel ☑ PVC ☐ Other ☑ Threaded ☐ Welded ☐ Solvent
Hole Dia 285 m/m Casing Size 150 m/m Depth 37.18 m/m
Hole Dia _____ in/cm Casing Size _____ in/cm Depth _____ ft/m

Intake Portion of Well
Screen type Vert or open hole from _____ ft/m to _____ ft/m
Manufacturer Boode
Material Thermo Plastic Dia 150mm
Fittings Threaded Length 11.58m
Set between 25.60 m and 37.18 m Slot 1mm
_____ ft/m and _____ ft/m Slot _____
_____ ft/m and _____ ft/m Slot _____

Filter Pack Volume used 18 Bags Depth to top of f.p. 15.84m

Grout Used? ☑ Yes ☐ No Volume used 17 Bags
☐ Neat Cement ☐ Bentonite ☐ 3 to 1 Sand
Method of installation Pump
Depth: from 15.00 m/m to Surface ft/m
from _____ ft/m to _____ ft/m

Development Method HVA Duration 20 Hours
Dates _____ Sand content after _____ hrs

Static Water Level 14.81 ft/m ☐ below ☐ above grade
Date measured 12.12.89

Pumping Water Level _____ ft/m ☐ below ☐ above grade Date _____
After _____ hrs. pumping at _____ gpm/lpm

Pump
Date installed 29.1.90 Type Submersible
Manufacturer Godwin Model No. S6CB8
H.P. 5 Volts 415 Capacity 60 GPM
Depth of pump intake setting _____ No. of stages _____
Material of drop pipe Wellmaster 3"

Water Quality
Sample taken? ☐ Yes ☐ No
Where analyzed _____

Date started 13.12.89 completed 30.1.90

Formation Log	Colour	Hardness	From	To
Clays & Gravels	Grey	Soft	0	2.43
Surface Water			2.43	3.04
Clays	Grey	Soft	3.04	11.58
Coal	Black	Med	11.58	19.80
Clays	Grey	Soft	19.80	17.67
Shales	Grey	Med	17.67	19.81
Anuifer			19.81	22.55
Shale	Black	Hard	22.55	23.95
Clay	Grey	Soft	23.95	30.48
Shales	Grey	Med	30.48	35.05
Unconsolidated				
Screed. Water				
Bearing			35.05	37.18

Licence No E/UT/28/8/65

Water Made @ 19.81/35.02 ft/m

Drilling Crew PRICE/ASPEY Rig DANDO

Figure 18: Borehole Log 3

Figure 19: Permit Boundary and Area (Current and Proposed)

Appendix B: Conceptual Site Model and Environmental Risk Assessment

1. Conceptual Site Model and Environmental Risk Assessment

For a risk to exist due to land contamination, there needs to be one or more contaminant source-pathway-receptor linkages – 'contaminant linkage' – by which a relevant receptor might be affected by the contaminants in question. In other words, there must be contaminants present in, on or under the land in a form and quantity that pose a hazard and one or more pathways by which they might impact one or more receptors. Defra provides the following definitions:

(a) A contaminant source is *'a substance that is in, on or under the land and has the potential to cause harm or to cause pollution of controlled waters'*
(b) A receptor is *'something that could be adversely affected by a contaminant, such as people, an ecological system, property, or a water body'*, and
(c) (c) A pathway is *'a route or means by which a receptor can be exposed to, or affected by, a contaminant'*

The term 'contaminant linkage' means the relationship between a contaminant source, a pathway, and a receptor. All three elements of a contaminant linkage must exist for there to be a risk to the identified receptor.

The conceptual site model summarises what is known about the ground conditions at the site, then goes on to describe potential sources, pathways, and receptors. A qualitative risk assessment is presented in Table 1.

2. Ground Model

The Site is underlain by Made Ground, which overlies the superficial Till deposits, comprising a mixture of clay, sand, gravel, and boulders. This is underlain by the Pennine Lower Coal Measures formation, comprising mudstone, siltstone and sandstone. The thicknesses of these strata are unknown however, boreholes within 250 m of the site show the Made Ground to be up to 3.5 m thick, and the Till to be between 1.3 m and 3 m thick. The Lower Coal Measures have been recorded at depths of between 3 m and 9.6 m. Twenty records of linear features at the ground or bedrock surface are recorded within 500 m of the site and include coal seams, normal faults and buried channels or valley margins.

The superficial and bedrock geology are classed as a Secondary undifferentiated aquifer (unproductive strata) a secondary A aquifer respectively. Glaciofluvial deposits located within 250 m of the site to the north and southwest are also classed as a secondary A aquifer.

Groundwater is anticipated to flow in a south-westerly direction towards the River Tame, located approximately 630 m to the west of the site at its closest location, however locally groundwater flow directions may be affected by anthropogenic factors.

The site is covered in hardstanding comprising concrete and tarmac with small, isolated zones of slight surface degradation in areas within the proposed extended permit activity boundary. Historically the site was potentially part of the James Bridge Colliery site.

3. Potential Source Contaminants

A number of potentially polluting substances are used on the site. The potential contaminants result from the surface treatment of metals and directly associated activities. These are summarised into contaminant groups and include the following:

Site Processes:

•S1: metals to include arsenic, barium, boron, cadmium, chromium, copper, cobalt, mercury, nickel, lead, selenium, tin, vanadium, and zinc.
•S1: pH, sulphate, chloride, cyanide, orthophosphate, fraction of organic carbon (foc),
•S1: polyaromatic hydrocarbons (PAH), Total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs) and Semi volatile organic compounds (SVOCs)

Other:

•S2: asbestos fibres/fragments derived from damaged asbestos cement-sheet roof panels (nonvisible) and / or buried in the ground
•S3: ground gases from historic coal mining
•S4: radon gas

4. Potential Exposure Routes

Possible Exposure Routes May Include:

•P1: direct dermal contact (e.g. skin exposure) with chemicals of concern
•P2: ingestion of chemicals of concern
•P3: inhalation of dust and vapours

Possible Migration Pathways May Include:

•P4: surface water runoff
•P5: vertical leaching of leachable contaminants in unsaturated zone and lateral migration in saturated zone
•P6: transport of contaminants via groundwater to surface water
•P7: permeation through pipework into water supply network
•P8: volatilisation from soil and/or groundwater to air (indoor and outdoor)
•P9: transport of contaminants by mechanical disturbance (e.g. earthworks)
•P10: gas migration through unsaturated zone and accumulation within confined spaces

5. Potential Receptors

Human Receptors May Include:

•R1: current or future site users such as workers and visitors.
•R2: current or future users of surrounding properties; and
•R3: current or future users of groundwater abstracted for human use
•R4: current or future water supply users, where water supply pipes are impacted by contaminants

Environmental Receptors May Include:

•R5: surface water bodies including the River Tame, Walsall Canal and Snyed brook;
•R6: surface water abstractions
•R7: groundwater beneath, or in the vicinity of the site (Tame-Anker-Mease groundwater body, Coal Measures and glaciofluvial secondary A aquifers)
•R8: groundwater abstractions; and
•R9: flora and fauna that may inhabit or migrate through the site and the Open Mosaic habitat.

Other:

•R10: building foundations, specifically concrete.

It is acknowledged that accidental releases of substances held at site have the potential to cause an adverse effect on the environment and people. However, the site has implemented a number of control measures since EPR/BN0112IN was granted which have reduced the risk to people and successfully protected the environment from site activities.

A summary of the mitigation measures that have been adopted and which will be incorporated in the proposed extended permitted area boundary and in the design, installation and operation of the new Automatic VAT line are described below:

• All external site yard areas will be covered by good quality impermeable hardstanding concrete or tarmac with fall levels directed to the drainage system

• Any observed degradation within the exterior hardstanding will be immediately repaired to an appropriate quality and level of integrity

• All internal floor areas will be covered by good quality impermeable hardstanding concrete with fall levels directed to the drainage system; enhanced surface protection may be employed in selected floor areas

• Any observed degradation within the interior hardstanding will be immediately repaired to an appropriate quality and level of integrity

• All storage tanks will be held in secondary containment systems that have the capacity to hold 110% of the largest tank

• The drainage system will be specifically designed to capture any potential spillage with spillages being retained within the site interceptors and treated accordingly thereby reducing the risk of substances escaping the site

• Emergency Spill kits will be provided throughout the site in strategically selected locations

• All fixed storage and mobile small volume tanks/drums will be located away from vehicle manoeuvring areas and placed within secondary containment

• Policies and procedures will be adopted to ensure compliance with relevant:

i) health and safety legislation in particular The Health and Safety at Work etc. Act 1974 (as amended) and the Control of Substances Hazardous to Health (COSHH) Regulations 2002 (as amended)
ii) environmental legislation

• Staff will be provided with initial and periodic refresher training with respect to their duties and responsibilities under applicable health and safety and environmental legislation

• Site contractors will undergo suitable induction and instruction in site health and safety and environmental procedures

Table 1 below presents the potential contaminant linkages which may exist at the site and provides a qualitative assessment of likely risks to the identified receptors. Risks are assessed assuming:

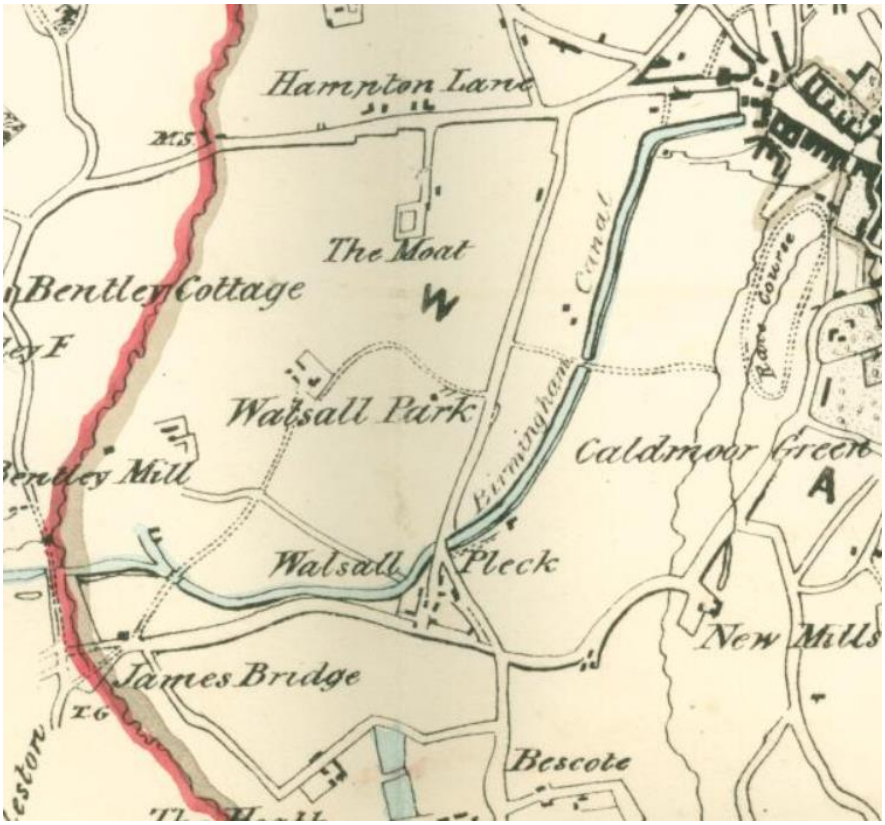
a) no mitigation is in place
b) mitigation measures are in place

When the aforementioned mitigation measures are in place, the risk to soil and groundwater from the proposed site development is considered predominantly low as summarised in Table 1. In the unlikely event that any of the above mitigation measures fail there would be minimal impact to soil, groundwater and surface water as all activities are to be carried out on good quality impermeable hardstanding concrete or tarmac.

Source	Pathway	Receptor	Assessment (with no mitigation)	Assessment (with mitigation measures)
S1: Chemicals used in the metal plating and effluent treatment processes	P1: direct dermal contact	R1: current or future site users such as workers and visitors.	High	Low
	P2: ingestion		Low to medium	Low
	P3: inhalation	R1: current or future site users such as workers and visitors; R2: current or future users of surrounding properties	Medium to high	Low
	P4: surface water runoff	R5: surface water bodies including the River Tame, Walsall Canal and Snyed brook;	Low to medium	Low
	P5: vertical leaching	R3: current or future users of groundwater abstracted for human use; R4: current or future water supply users, where water supply pipes are impacted by contaminants; R7: groundwater beneath, or in the vicinity of the site; R8: groundwater abstractions; R9: building foundations, specifically concrete	Medium to high	Low
	P6: transport of contaminants	R5: surface water bodies including the River Tame, Walsall Canal and Snyed brook; R6: Surface water abstractions; R8: flora and fauna that may inhabit or migrate through the site and the Open Mosaic habitat.	Medium to high	Low
	P7: permeation through pipework	R4: current or future water supply users, where water supply pipes are impacted by contaminants	Medium to high	Low
	P8: volatilisation from soil and/or groundwater to air	R1: current or future site users such as workers and visitors; R2: current or future users of surrounding properties	Medium to high	Low
	P9: transport of contaminants by mechanical disturbance (e.g. earthworks)	R1: current or future site users such as workers and visitors; R2: current or future users of surrounding properties; R5: surface water bodies including the River Tame, Walsall Canal and Snyed brook; R8: flora and fauna that may inhabit or migrate through the site and the Open Mosaic habitat	High	Low to medium (negligible construction work planned)
S2: asbestos fibres/fragments	P3: inhalation of dust and vapours	R1: current or future site users such as workers and visitors; R2: current or future users of surrounding properties .	Medium to high	Low to medium (negligible construction work planned)
S3: ground gases from historic coal mining	P3: inhalation of dust and vapours P10: gas migration through unsaturated zone and accumulation within confined spaces	R1: current or future site users such as workers and visitors; R2: current or future users of surrounding properties; R10: buildings.	Low to high	Low
S4: radon gas	P3: inhalation of dust and vapours P10: gas migration through unsaturated zone and accumulation within confined spaces	R1: current or future site users such as workers and visitors. R2: current or future users of surrounding properties	Low to medium	Low

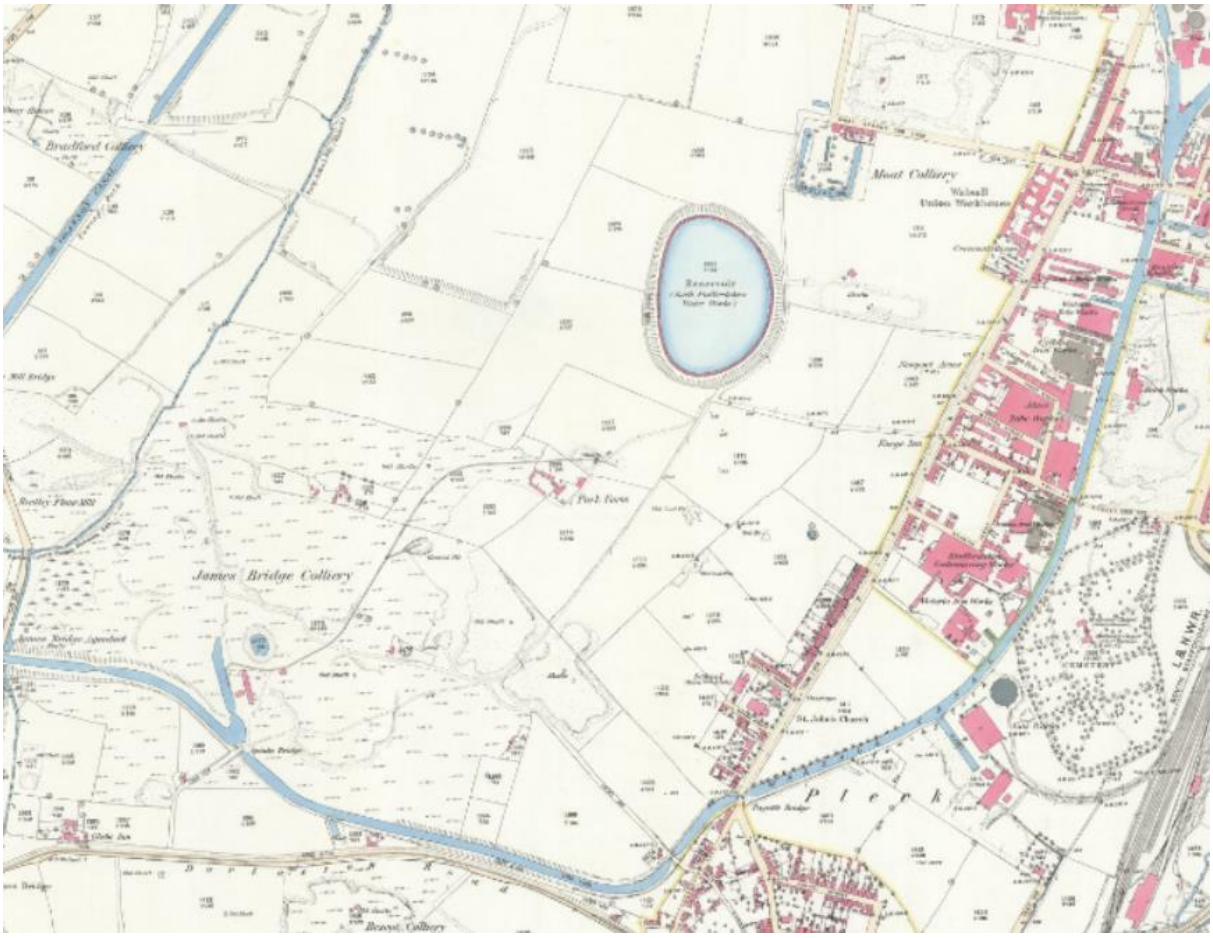
Table 1: Qualitative Environmental Risk Assessment

Appendix C: Historical Maps



HMSO Boundary Commission Report 1832, Walsall, 2 inches to 1 mile scale: https://www.visionofbritain.org.uk

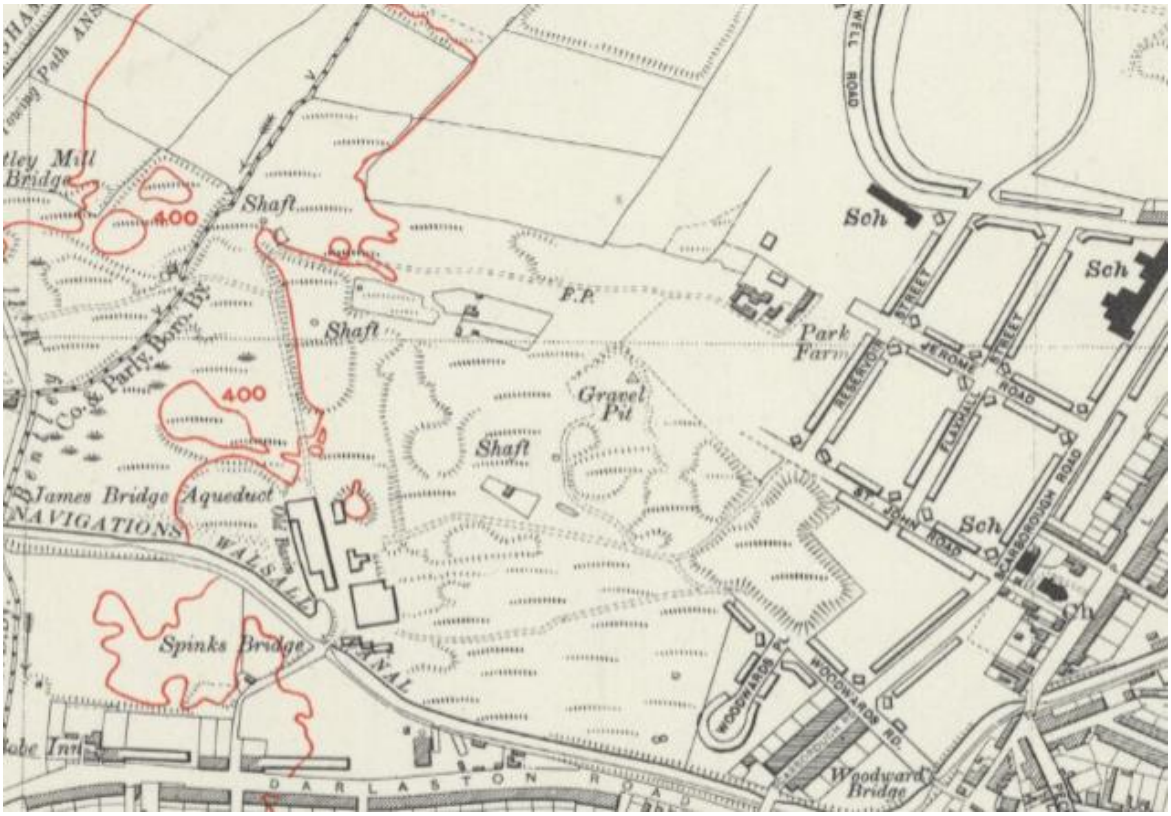
HMSO Boundary Commission Report, 1868, Walsall, 1 inch to 1 mile scale: https://www.visionofbritain.org.uk



Staffordshire LXIII.10 Surveyed: 1884, Published: 1887, 1 to 2500 scale: https://maps.nls.uk

Staffordshire LXIII.SW, Revised: 1901, Published: 1904, 1 to 10560 scale: https://www.oldmapsonline.org

Staffordshire LXIII.10, Revised: 1912/1913, Published: 1917, 1 to 2500 scale: https://maps.nls.uk



Staffordshire Sheet LXIII.SW, Revised: 1938, Published: ca. 1946, 1 to 10560 scale: https://www.oldmapsonline.org

Sheet 32/99 - B, Revised: 1912 to 1949, Published: 1951, 1 to 25000 scale: https://maps.nls.uk

Aerial Photo - raf_540_327_v_5220 May 11th 1950: https://historicengland.org.uk/

Aerial Photo - raf_82_780_vp3_0521 May 7th 1953: https://historicengland.org.uk/

Aerial Photo - raf_543_2336_v2_0119 July 30th 1963: https://historicengland.org.uk/

Ordnance Survey Composite ca. 1972: Envirocheck, reproduced in 2004 Site Condition Report

Ordnance Survey Composite ca. 1992: Envirocheck, reproduced in 2004 Site Condition Report

1999 aerial photograph: Groundsure report

2006 aerial photograph: Groundsure report

2013 aerial photograph: Groundsure report

2019 aerial photograph: Groundsure report

2022 aerial photograph: Groundsure report

Appendix D: Maintenance and Inspection Records

Weekly Environmental Management Audit:

Weekly Environmental Management Audit

Completed by: Andrew Cooper **Date:** 04/01/2024

√ = OK

Material Storage	OK	Maintenance Required? Yes / No	Comments
Are all drummed & bagged chemicals correctly stored?	✓		
Are storage areas secure?	✓		
Are bunds in good condition?	✓		
Are bunds clear of liquid & debris?	✓		
Effluent			
Have all daily monitoring checks been carried out?	✓		
Have any "out of control" conditions been recorded?	✗		
Have probes been buffered & cleaned?	✓		
Are levels of products in bulk storage tanks satisfactory?	✓		
Are all pumps working correctly?	✓		
Is any filter cake not in the skip?	✗		
Exhaust Gases			
Are fume scrubbers operation effectively?	✓		
Are scrubber solutions within the correct pH range? (6.0 - 9.0)	✓		
General			
Are solution tanks in satisfactory condition?	✗	Yes	ZnNi
Are solution tanks leaking?	✗		
Is any of the pipework leaking?	✗		
Are any of the plant drainage channels blocked?	✗		
Are scrap metal, paper waste & packing waste correctly separated?	✓		
Are any waste containers overfilled?	✗		
Have chemical; containers been washed before disposal?	✓		
Are external drains clear & in good condition?	✓		
Are there any malicious odours in the building?	✗		

Weekly Health and Safety Audit:

	VAT ZINC		BARREL 1		BARREL 2		PHOS/RE-OIL		ZINC NICKEL		E-COTE		FLUENT/STORI		GOODS IN	
	COMMENTS		COMMENTS		COMMENTS		COMMENTS		COMMENTS		COMMENTS		COMMENTS		COMMENTS	
WEARING OF	~		~		~		~		~		~		~		~	
PROTECTIVE EQUIPMENT		OK		OK		OK		Off		OK		OK		OK		n/a
CONDITION OF	~		~		~		~		~		~		~		~	
L E V		OK		OK		OK		OK		OK		N/a				
GUARDING				OK				OK						OK		
SAFETY GATES								OK		OK		OK				
SUMP PUMPS														OK		
STOP BUTTONS		OK		OK		OK		OK		OK		OK				
CLIMBING BOARDS		OK		OK		OK		OK		OK		OK				
FIXED LADDERS		OK				OK				OK		OK		OK		
GRIDDING		OK		OK		OK				OK		OK		OK		
EYE WASH BOTTLES		2		2		2		2		1		0		2		2
FIRST AID STATIONS		OK				OK		OK		OK		OK		OK		OK
CHEMICAL SPILL KITS		OK						OK		OK				OK		OK
FLOOR		OK		OK				OK		OK		ok		OK		OK
FIRE RISKS (RAGS/CARD)		OK		OK				OK		OK		ok		OK		OK
SATISFACTORY ?	~		~		~		~		~		~		~		~	
CHEMICAL CONTAINERS IN		OK		OK		OK		ok		OK		OK		OK		
EMERGENCY SHOWERS						BLOCKED				OK				OK		
No OF CYANIDE DRUMS														6		
CYANIDE STORES LOCK														YES		
BULK TANKS LOCKED														YES		
WORK STORAGE		OK		Slippy		OK		OK		MESSY		OK				OK
FIRE EXITS CLEAR & DOORS OK - CHECK ACCESS INSIDE AND OUTSIDE		BAY 2 CHEMICAL AREA (See Notes)		BETWEEN BARREL LINES		MAIN WORKS ENTERANCE		OUTSIDE STAIRCASE TOP FLOOR FIRE DOOR		DESPATCH MAIN DOOR		TO WOODWARDS ROAD x2		THROUGH EFFLUENT TO CAR PARK		TO BAY 3 VIA DESPATCH
FLT Condition Log Books Completed	Truck 1		Truck 2		Truck 3											
AUDIT BY: Rob							**DATE: 12-1-24**									

NOTES:

1) Eye wash bottles, still no bottles or holder on Ecote from when fell off OCTOBER.
2)
3)
4)
5)

Fire Extinguisher Audit Check:

FIRE EXTINGUISHERS

DATE: 11-1-24 CHECKED BY: Rob

LOCATION	TYPE	AVAILABLE	SEAL OK?	COMMENTS
NEW LABORATORY LOCATION	CARBON DIOXIDE POWDER			
SUBSTATION EFFLUENT	CARBON DIOXIDE			
BARREL RECTIFIER HOUSE	CARBON DIOXIDE			
EFFLUENT DOOR	POWDER			
RECEPTION	CARBON DIOXIDE FOAM			
FACTORY DOOR TO RECEPT	2 X FOAM CARBON DIOXIDE			
FRONT ROLLER SHUTTER	POWDER			
FRONT PEDESTRIAN DOOR	FOAM			
No1 LINE OVEN	CARBON DIOXIDE			
VAT CONTROL PANEL	CARBON DIOXIDE			
1st EMERGENCY EXIT VAT L	FOAM			
2nd EMERGENCY EXIT VAT	POWDER			
ROLLER DOOR LEDRA FROM	FOAM			
BOILER ROOM ENTRANCE	POWDER			
WATER HEADER TANK	POWDER			
ON MEZZANINE FLOOR	CARBON DIOXIDE			
RECTIFIER HOUSE BARREL 2 VAT	CARBON DIOXIDE			
SALT SPRAY CABINETTE	FOAM			
E-COTE WOODWARDS RD FIRE EXIT	POWDER FOAM			
WOODWARDS RD ROLLER SHUTTER	POWDER			
E-COTE / ZN NICKEL SUB STATION	3 X CARBON DIOXI			
ZINC NICKEL WALKWAY	CARBON DIOXIDE FOAM			
BETWEEN ZN NICKEL & ECOTE	CARBON DIOXIDE POWDER			
OUTSIDE LAB/QUALITY MGR OFFICE	CARBON DIOXIDE POWDER			
COMPRESSOR BAY	CARBON DIOXIDE POWDER			
BULK CHEMICAL TANKS	2 X FOAM			
BAY 1 DOOR/ROLLER SHUTT	FOAM POWDER			
CHEMICAL STORES	POWDER CARBON DIOXIDE			
FIRE EXIT FILTER PRESS	FOAM			
DESPATCH	CARBON DIOXIDE FOAM			
KITCHEN	CARBON DIOXIDE WATER			
OUTSIDE ACCOUNTS OFFIC	FOAM CARBON DIOXIDE			

Weekly Effluent Plant Planned Preventative Maintenance:

Effluent P.P.M		QC20010	17.08.11
Engineer:... J Broadbent	**Date:.....** 10.05.24		
		Comments	
Grids above pits.			
1. Check grids for corrosion, damage.		not ok	
2. Check support structure for corrosion, damage.		not ok	
Effluent pits, dividing walls			
1. Check all walls for corrosion		not ok	
Make up tanks.			
1. Check all tanks, linings and supporting structures.		not ok	
Propellor Mixers.			
1. Check stirring Action (any vibration on propellor drive shafts)		ok	
2. Check motor fan is clear of obstruction.		ok	
3. Check all cables and associated gland packings for security		ok	
4. Check control panels (wipe over once finished)		ok	
Pipework.			
1. Check for leaks and security of all pipes		ok	
2. Test all valves, including locked and spring action valves.		ok	
Water Meter.			
1. Check and clean magflo water meter(nothing abrasive)		ok	
Team Lead J Broadbent	**Signature...** JB		
Note: the signed ppm should be passed onto works engineer for filling and planning of noted non conformances			

Weekly Utilities Plant Planned Preventative Maintenance:

Anochrome Group **QC20012**
17.08.11

Planned Preventative Maintenance Programme - Completed on..... Engineer.....

Building and Utilities

Building	Please tick ☐	**Comments**
Examine building external brickwork for damage or cracks		
Do any areas require repointing		
Examine window, factory and offices fro condition and operation		
Examine condition and operation of external pedestrian doors including fire doors		
Check condition of internal brickwork for damage and cracks		
Check condition of internal steelwork structure for damage		
Visuallly check electrical distrubution cables fro security and condition		
Visually check all access door for damage and correct operation		

Roof

External Examination	
Is the roof sheeting in good condition (any areas of corrosion or damage)	
Are all the fixing in place	
Are all the drainage gulleys in good condition	
Are the drainage gulleys free from debris	
Are the skylights clean and in good condition	
Where extraction systems pertrude through the sheeting is the weatherproofing satisfactory	
Are any cowls and or extraction guy ropes missing	

Internal Examination	
Are there any leaks when it rains	
is the internal skin in good condition Ie no signs of corrosion	
Visually check condition of internal roof supports to ensure no damage is present	
Are the skylights clean and in good condition	
if the surfaces are painted re they in good condition	

Lighting

Is the lighting system installed satisfactory	
Are all the lights working	
Are the light switches easily accessable and in good working order	
Are the lamp diffusers clean(where Fitted)	

QC20012
17.08.11

Factory Toilets	
Is the toilet building structure in good condition Ie free from cracks water ingress etc	
Are the toilets clean and hygenic	
Is the decoration ok Ie paint peeling, Tiles loose etc	
Do all toilets facilities work correctly Ie urinals and toilets flush correctly (Gents and Ladies)	
Do all taps on hand basins work correctly	
Is ther hot water available for washing	
Do hand dryers work correctly	

Office Utilities

Is the toilet building structure in good condition Ie free from cracks water ingress etc	
Are the toilets clean and hygenic	
Is the decoration ok Ie paint peeling, Tiles loose etc	
Do all toilets facilities work correctly Ie urinals and toilets flush correctly (Gents and Ladies)	
Do all taps on hand basins work correctly	
Is ther hot water available for washing	
Do hand dryers work correctly	

Pass this completed PPm to your team leader for authorisation

Team Leader:.....(please print)

Signature:.....

Note: the signed PPm should be passed to the Works Engineering Manager for filling and planning of noted non conformances

Appendix E: Groundsure Report

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

ANOCHROME LTD, ANOCHROME LIMITED, RESERVOIR PLACE, WALSALL, WS2 9RZ

Order Details

Date: 04/06/2024

Your ref: 30922_Anachrome

Our Ref: GS-UQ6-QLR-YB6-9QQ

Site Details

Location: 399622 297698

Area: 0.88 ha

Authority: Walsall Metropolitan Borough Council ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	13	8	68	114	-
23 >	1.2 >	Historical tanks >	4	0	15	14	-
24 >	1.3 >	Historical energy features >	0	0	3	11	-
25	1.4	Historical petrol stations	0	0	0	0	-
26 >	1.5 >	Historical garages >	0	0	4	7	-
26	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
27 >	2.1 >	Historical industrial land uses >	19	10	89	149	-
37 >	2.2 >	Historical tanks >	5	0	20	18	-
39 >	2.3 >	Historical energy features >	0	0	7	25	-
40	2.4	Historical petrol stations	0	0	0	0	-
41 >	2.5 >	Historical garages >	0	0	7	11	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
42	3.1	Active or recent landfill	0	0	0	0	-
42	3.2	Historical landfill (BGS records)	0	0	0	0	-
43 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	5	20	-
44 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	2	-
45 >	3.5 >	Historical waste sites >	0	0	0	2	-
45 >	3.6 >	Licensed waste sites >	0	0	3	1	-
46 >	3.7 >	Waste exemptions >	0	0	2	2	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
48 >	4.1 >	Recent industrial land uses >	6	3	20	-	-
50 >	4.2 >	Current or recent petrol stations >	0	0	1	0	-
50	4.3	Electricity cables	0	0	0	0	-
51	4.4	Gas pipelines	0	0	0	0	-
51	4.5	Sites determined as Contaminated Land	0	0	0	0	-

51 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	0	0	1	-
51	4.7	Regulated explosive sites	0	0	0	0	-
52 >	4.8 >	Hazardous substance storage/usage >	1	0	0	0	-
52 >	4.9 >	Historical licensed industrial activities (IPC) >	0	0	0	6	-
53 >	4.10 >	Licensed industrial activities (Part A(1)) >	4	0	0	0	-
54 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	1	0	0	-
54	4.12	Radioactive Substance Authorisations	0	0	0	0	-
54 >	4.13 >	Licensed Discharges to controlled waters >	0	0	15	2	-
57	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
57	4.15	Pollutant release to public sewer	0	0	0	0	-
57 >	4.16 >	List 1 Dangerous Substances >	0	0	1	2	-
58 >	4.17 >	List 2 Dangerous Substances >	0	0	1	1	-
58 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	0	1	-
59 >	4.19 >	Pollution inventory substances >	4	0	0	0	-
60 >	4.20 >	Pollution inventory waste transfers >	1	0	0	0	-
61	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
62 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
64 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
66 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
67	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
67	5.5	Groundwater vulnerability- local information	None (within 0m)				
68 >	5.6 >	Groundwater abstractions >	4	0	3	6	4
73 >	5.7 >	Surface water abstractions >	0	0	0	3	6
75	5.8	Potable abstractions	0	0	0	0	0
75	5.9	Source Protection Zones	0	0	0	0	-
75	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
76 >	6.1 >	Water Network (OS MasterMap) >	0	0	1	-	-

77 >	6.2 >	Surface water features >	0	0	3	-	-
77 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
77 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
78 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-

Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
79	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
79	7.2	Historical Flood Events	0	0	0	-	-
79	7.3	Flood Defences	0	0	0	-	-
80	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
80	7.5	Flood Storage Areas	0	0	0	-	-
81	7.6	Flood Zone 2	None (within 50m)				
81	7.7	Flood Zone 3	None (within 50m)				

Page	Section	Surface water flooding >	
82 >	8.1 >	Surface water flooding >	1 in 30 year, 0.1m - 0.3m (within 50m)

Page	Section	Groundwater flooding >	
84 >	9.1 >	Groundwater flooding >	Low (within 50m)

Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
85	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
85	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
85	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
85	10.4	Special Protection Areas (SPA)	0	0	0	0	0
86	10.5	National Nature Reserves (NNR)	0	0	0	0	0
86	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
86	10.7	Designated Ancient Woodland	0	0	0	0	0
86	10.8	Biosphere Reserves	0	0	0	0	0
87	10.9	Forest Parks	0	0	0	0	0
87	10.10	Marine Conservation Zones	0	0	0	0	0
87	10.11	Green Belt	0	0	0	0	0
87	10.12	Proposed Ramsar sites	0	0	0	0	0

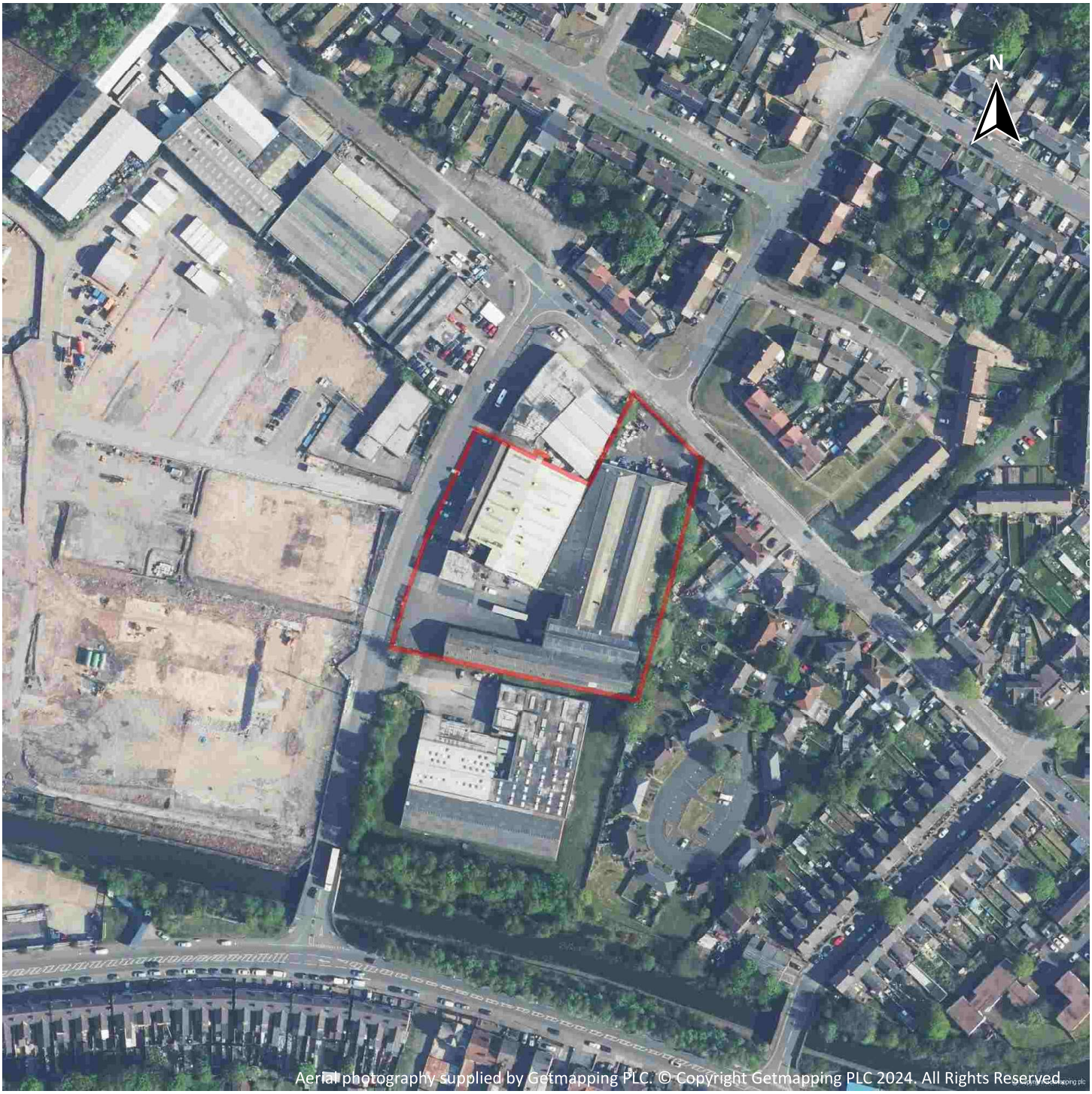
87	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
88	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
88	10.15	Nitrate Sensitive Areas	0	0	0	0	0
88 >	10.16 >	Nitrate Vulnerable Zones >	1	0	0	0	1
89 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
90	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
91	11.1	World Heritage Sites	0	0	0	-	-
91	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
91	11.3	National Parks	0	0	0	-	-
91	11.4	Listed Buildings	0	0	0	-	-
92	11.5	Conservation Areas	0	0	0	-	-
92	11.6	Scheduled Ancient Monuments	0	0	0	-	-
92	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
93 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
94	12.2	Open Access Land	0	0	0	-	-
94	12.3	Tree Felling Licences	0	0	0	-	-
94	12.4	Environmental Stewardship Schemes	0	0	0	-	-
94	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
95 >	13.1 >	Priority Habitat Inventory >	0	0	2	-	-
96	13.2	Habitat Networks	0	0	0	-	-
96 >	13.3 >	Open Mosaic Habitat >	0	1	0	-	-
96	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
97 >	14.1 >	10k Availability >	Identified (within 500m)				
98 >	14.2 >	Artificial and made ground (10k) >	1	1	1	3	-
100 >	14.3 >	Superficial geology (10k) >	1	0	2	2	-

101	14.4	Landslip (10k)	0	0	0	0	-
102 >	14.5 >	Bedrock geology (10k) >	1	0	2	3	-
103 >	14.6 >	Bedrock faults and other linear features (10k) >	0	1	4	15	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
105 >	15.1 >	50k Availability >	Identified (within 500m)				
106 >	15.2 >	Artificial and made ground (50k) >	1	1	1	4	-
107 >	15.3 >	Artificial ground permeability (50k) >	1	1	-	-	-
108 >	15.4 >	Superficial geology (50k) >	1	0	2	2	-
109 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
109	15.6	Landslip (50k)	0	0	0	0	-
109	15.7	Landslip permeability (50k)	None (within 50m)				
110 >	15.8 >	Bedrock geology (50k) >	1	0	2	2	-
111 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
111 >	15.10 >	Bedrock faults and other linear features (50k) >	0	1	3	8	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
113 >	16.1 >	BGS Boreholes >	1	4	56	-	-
Page	Section	Natural ground subsidence >					
118 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
119 >	17.2 >	Running sands >	Very low (within 50m)				
120 >	17.3 >	Compressible deposits >	Very low (within 50m)				
122 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
123 >	17.5 >	Landslides >	Very low (within 50m)				
124 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
126 >	18.1 >	BritPits >	0	0	3	2	-
128 >	18.2 >	Surface ground workings >	8	6	65	-	-
131 >	18.3 >	Underground workings >	0	0	16	22	47
134 >	18.4 >	Underground mining extents >	0	0	1	3	-
134	18.5	Historical Mineral Planning Areas	0	0	0	0	-

135 >	18.6 >	Non-coal mining >	1	1	11	16	25
141 >	18.7 >	JPB mining areas >	Identified (within 0m)				
141 >	18.8 >	The Coal Authority non-coal mining >	0	0	1	4	-
142 >	18.9 >	Researched mining >	0	0	3	0	-
142 >	18.10 >	Mining record office plans >	0	0	1	1	-
142 >	18.11 >	BGS mine plans >	0	0	2	2	-
143 >	18.12 >	Coal mining >	Identified (within 0m)				
143	18.13	Brine areas	None (within 0m)				
143	18.14	Gypsum areas	None (within 0m)				
143	18.15	Tin mining	None (within 0m)				
144	18.16	Clay mining	None (within 0m)				
Page	Section	**Ground cavities and sinkholes** >	On site	0-50m	50-250m	250-500m	500-2000m
145	19.1	Natural cavities	0	0	0	0	-
146 >	19.2 >	Mining cavities >	0	0	1	0	0
146	19.3	Reported recent incidents	0	0	0	0	-
146	19.4	Historical incidents	0	0	0	0	-
147	19.5	National karst database	0	0	0	0	-
Page	Section	**Radon** >					
148 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	**Soil chemistry** >	On site	0-50m	50-250m	250-500m	500-2000m
150 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	0	-	-	-
150	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
150	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	**Railway infrastructure and projects** >	On site	0-50m	50-250m	250-500m	500-2000m
151	22.1	Underground railways (London)	0	0	0	-	-
151	22.2	Underground railways (Non-London)	0	0	0	-	-
152	22.3	Railway tunnels	0	0	0	-	-
152 >	22.4 >	Historical railway and tunnel features >	0	1	3	-	-
152	22.5	Royal Mail tunnels	0	0	0	-	-

153	22.6	Historical railways	0	0	0	-	-
153	22.7	Railways	0	0	0	-	-
153	22.8	Crossrail 1	0	0	0	0	-
153	22.9	Crossrail 2	0	0	0	0	-
153	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 30/04/2022

Site Area: 0.88ha

Recent site history - 2019 aerial photograph

Capture Date: 14/09/2019

Site Area: 0.88ha

Recent site history - 2013 aerial photograph

Capture Date: 09/07/2013

Site Area: 0.88ha

Recent site history - 2006 aerial photograph

Capture Date: 16/07/2006

Site Area: 0.88ha

Recent site history - 1999 aerial photograph

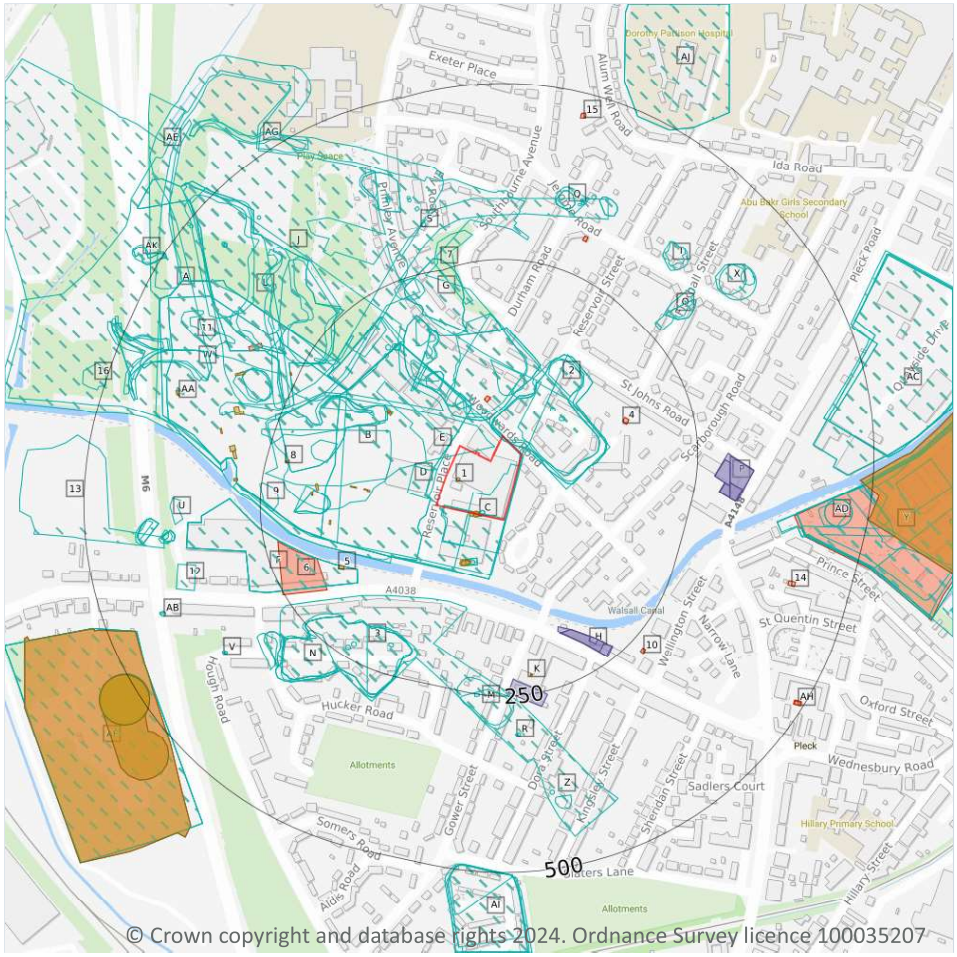
Capture Date: 25/06/1999

Site Area: 0.88ha

OS MasterMap site plan

Site Area: 0.88ha

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	203

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Copper Works**	**1955**	**1005350**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Heaps**	**1886**	**1021731**
A	**On site**	**Colliery**	**1886**	**1078810**
A	**On site**	**Unspecified Heap**	**1885**	**1080032**
A	**On site**	**Unspecified Heap**	**1901 - 1913**	**1115057**
A	**On site**	**Unspecified Heap**	**1921 - 1938**	**1144795**
B	**On site**	**Brick Works**	**1901**	**1012912**
B	**On site**	**Unspecified Works**	**1974**	**1107552**
C	**On site**	**Unspecified Tank**	**1921 - 1955**	**1070121**
C	**On site**	**Unspecified Tank**	**1901**	**1101638**
C	**On site**	**Unspecified Works**	**1968**	**1139440**
C	**On site**	**Unspecified Works**	**1978**	**1139679**
D	**On site**	**Unspecified Works**	**1988 - 1993**	**1124915**
B	11m SW	Unspecified Works	1988	1064149
B	11m SW	Unspecified Works	1978	1100789
D	13m W	Unspecified Works	1968	1045309
E	14m NW	Unspecified Works	1968	1066792
A	17m NE	Unspecified Heap	1955	1115760
A	32m N	Unspecified Ground Workings	1901 - 1913	1065628
A	32m N	Unspecified Ground Workings	1921 - 1938	1139941
A	39m N	Unspecified Heap	1885	1115970
A	53m N	Unspecified Heap	1955	1110857
A	55m NW	Colliery	1901	1044321
A	58m N	Unspecified Heap	1955	1110674
C	61m S	Unspecified Tanks	1938	1041378
C	61m S	Unspecified Tanks	1901	1138301
C	65m S	Unspecified Tanks	1955	1148371
A	73m NE	Unspecified Shafts	1885 - 1886	1117762
A	74m NE	Unspecified Shafts	1885 - 1886	1132704

ID	Location	Land use	Dates present	Group ID
B	80m W	Unspecified Heap	1885 - 1886	1046334
A	84m NW	Unspecified Quarry	1885	1011736
A	87m NW	Unspecified Ground Workings	1886	1124944
A	97m NW	Unspecified Heap	1955	1002209
A	103m NW	Unspecified Pit	1885	1030752
2	107m NE	Unspecified Heap	1885	1107316
B	109m NW	Unspecified Ground Workings	1901 - 1913	1095588
B	109m NW	Unspecified Ground Workings	1921 - 1938	1141215
B	110m NW	Unspecified Ground Workings	1955	1147378
B	129m NW	Unspecified Ground Workings	1886	1155999
3	130m S	Disused Colliery	1885 - 1886	1072534
B	132m NW	Unspecified Heap	1885	1002210
A	137m W	Unspecified Works	1968	1118507
F	144m SW	Unspecified Warehouse	1993	1004128
F	144m SW	Unspecified Works	1968 - 1978	1106080
F	144m SW	Unspecified Works	1988	1113906
B	150m W	Unspecified Heap	1921 - 1938	1096296
B	150m W	Unspecified Heap	1901 - 1913	1138971
A	152m NW	Unspecified Heap	1955	1002208
B	153m W	Unspecified Heap	1955	1047913
A	154m W	Unspecified Works	1993	1062443
G	156m N	Gravel Pit	1901 - 1913	1042961
G	156m N	Gravel Pit	1921 - 1938	1154442
B	158m NW	Unspecified Old Shaft	1885	1093420
B	160m W	Unspecified Heap	1955	1039693
B	161m NW	Unspecified Old Shaft	1886	1035564
A	162m NW	Unspecified Shafts	1901	1005748
A	162m NW	Unspecified Shaft	1913	1087693

ID	Location	Land use	Dates present	Group ID
A	162m NW	Unspecified Shaft	1938	1146261
A	162m NW	Unspecified Shafts	1901	1005747
A	162m NW	Unspecified Warehouse	1974 - 1978	1153717
A	165m NW	Unspecified Warehouse	1988 - 1993	1059652
A	166m NW	Unspecified Shaft	1955	1131379
A	169m NW	Unspecified Shaft	1921	1009437
A	185m NW	Unspecified Warehouse	1968	1112643
I	186m SW	Unspecified Heap	1955	1077012
I	187m SW	Unspecified Heap	1886	1097331
J	188m NW	Colliery	1885	1048291
I	189m SW	Unspecified Ground Workings	1901	1056334
I	189m SW	Unspecified Heap	1885	1078559
I	189m SW	Unspecified Ground Workings	1921 - 1938	1095513
I	189m SW	Unspecified Ground Workings	1913	1117922
G	194m NW	Railway Sidings	1885 - 1886	1067043
7	195m N	Unspecified Heap	1993	1002206
I	205m SW	Unspecified Old Shafts	1885 - 1886	1053760
A	209m NW	Unspecified Ground Workings	1886	1103520
G	218m N	Gravel Pit	1885 - 1886	1078888
9	225m W	Unspecified Heap	1921	1002211
L	225m NW	Unspecified Ground Workings	1938	1046079
L	225m NW	Unspecified Ground Workings	1901 - 1913	1138275
I	225m SW	Unspecified Old Shafts	1885	993152
A	228m NW	Unspecified Heap	1955	1002207
M	228m S	Unspecified Heap	1885 - 1886	1076304
A	230m NW	Unspecified Ground Workings	1921	1060157
I	233m SW	Unspecified Old Shafts	1885 - 1886	1113328
M	241m S	Unspecified Ground Workings	1901	998903

ID	Location	Land use	Dates present	Group ID
A	244m W	Unspecified Pit	1955	1030751
N	245m SW	Unspecified Heap	1955	1133938
M	249m S	Unspecified Old Shaft	1885	1003541
M	249m S	Unspecified Old Shaft	1886	1003542
A	250m W	Unspecified Ground Workings	1921	1078612
O	264m NE	Old Coal Pit	1885 - 1886	1153939
A	274m NW	Unspecified Pit	1901 - 1913	1115395
A	274m NW	Unspecified Pit	1921 - 1938	1141081
A	276m NW	Unspecified Pit	1955	1112757
L	279m NW	Unspecified Ground Workings	1885 - 1886	1060138
A	283m NW	Unspecified Ground Workings	1886	1039949
O	285m NE	Unspecified Heap	1921	1039757
O	285m NE	Unspecified Heap	1901 - 1913	1068604
N	286m SW	Sand Pit	1938 - 1955	1042485
N	288m SW	Sand Pit	1913	1081337
N	296m SW	Sand Pit	1921	1049793
R	303m S	Unspecified Shaft	1885	1141115
R	303m S	Unspecified Shaft	1886	1047026
L	304m NW	Unspecified Ground Workings	1955	1057790
S	316m N	Unspecified Old Shaft	1885	1003529
S	321m N	Unspecified Old Shafts	1886	993153
Q	331m N	Unspecified Heap	1885 - 1886	1053194
T	334m NE	Unspecified Heap	1901	1002205
Q	335m N	Unspecified Heaps	1901 - 1913	1054328
Q	335m N	Unspecified Heaps	1921	1071865
S	339m N	Unspecified Old Shafts	1886	993138
T	339m NE	Old Coal Pit	1885 - 1886	1117983
S	342m N	Unspecified Heap	1921 - 1938	1040464

ID	Location	Land use	Dates present	Group ID
S	342m N	Unspecified Heap	1901 - 1913	1133350
Q	344m N	Unspecified Shaft	1886	1009434
Q	347m NE	Unspecified Heap	1921	1059689
Q	347m NE	Unspecified Heap	1901 - 1913	1149091
Q	347m N	Unspecified Shaft	1885	1009432
Q	351m N	Unspecified Shaft	1886	1009435
11	351m NW	Refuse Heap	1968	1020312
12	352m W	Electric Generating Station	1901	1031994
S	354m N	Unspecified Old Shaft	1885	1003528
L	357m NW	Unspecified Heap	1955	1042104
S	357m N	Unspecified Old Shafts	1886	993140
Q	360m N	Unspecified Shaft	1885	1009431
S	360m N	Unspecified Old Shaft	1885	1003530
U	360m W	Refuse Heap	1968	1020313
V	362m SW	Unspecified Old Shaft	1885	1137798
V	363m SW	Unspecified Old Shaft	1886	1131306
S	364m N	Unspecified Old Shafts	1886	993139
W	365m W	Unspecified Ground Workings	1901 - 1913	1082113
W	365m W	Unspecified Ground Workings	1921 - 1938	1096455
X	365m NE	Refuse Heap	1921	2366065
W	366m W	Unspecified Heap	1955	1002214
L	366m NW	Unspecified Heap	1921	1150466
X	367m NE	Sand Pit	1901 - 1913	2366916
S	372m N	Unspecified Heap	1955	1081008
U	373m W	Unspecified Heap	1938	1041583
U	373m W	Unspecified Heap	1901	1048590
U	373m W	Unspecified Heap	1921	1121586
U	373m W	Unspecified Heap	1913	1126929

ID	Location	Land use	Dates present	Group ID
Y	375m E	Unspecified Works	1970	1798800
Y	376m E	Unspecified Works	1981 - 1992	1834572
U	377m W	Unspecified Heap	1955	1130545
U	382m W	Unspecified Pit	1886	1030753
Z	389m S	Unspecified Shaft	1886	1009440
Z	390m S	Unspecified Shaft	1885	1009439
13	390m W	Unspecified Heap	1968	1050719
U	395m W	Unspecified Heap	1885	1040035
U	395m W	Unspecified Heap	1901 - 1913	1070161
U	395m W	Unspecified Heap	1921 - 1938	1117981
X	398m NE	Coal Pit	1885 - 1886	1812680
Y	399m E	Iron Works	1938	1767087
Y	399m E	Gas Works	1921	1789964
Y	399m E	Gas Works	1901	1805468
Z	401m S	Unspecified Heap	1885 - 1886	1097402
U	403m W	Unspecified Heap	1955	1059969
Y	409m E	Gas Works	1955	1811766
U	413m W	Unspecified Ground Workings	1886	998906
AB	413m SW	Unspecified Old Shaft	1885	1116992
AC	414m E	Unspecified Works	1981 - 1992	1810202
AC	414m E	Unspecified Works	1970	1810731
AB	417m W	Unspecified Old Shaft	1886	1051811
J	429m NW	Unspecified Shaft	1938	1009433
AD	429m E	Unspecified Pit	1921	1833175
W	431m NW	Unspecified Pit	1885	1030750
AC	432m E	Iron Works	1955	1808674
W	433m NW	Unspecified Ground Workings	1886	1145480
L	436m NW	Unspecified Old Shaft	1885	1003538

ID	Location	Land use	Dates present	Group ID
L	436m NW	Unspecified Shaft	1901 - 1913	1103889
L	436m NW	Unspecified Shaft	1921 - 1938	1140634
L	436m NW	Unspecified Shaft	1955	1035496
AD	438m E	Sand Pit	1901	1753374
AD	438m E	Unspecified Pit	1913	1840725
Y	439m E	Gas Works	1913	1828219
AC	439m E	Iron Works	1921	1811027
AC	439m E	Iron Works	1901 - 1913	1833804
L	440m NW	Unspecified Old Shaft	1886	1003537
AE	458m NW	Cuttings	1988 - 1993	1094548
AE	459m NW	Unspecified Heap	1974	1137832
AF	461m SW	Unspecified Works	1968 - 1978	1102395
AF	461m SW	Gas Holder Station	1993	1006110
AF	461m SW	Unspecified Works	1988	1105868
Y	463m E	Railway Sidings	1955 - 1970	1781703
AG	473m NW	Unspecified Ground Workings	1978	1066699
AG	475m NW	Unspecified Ground Workings	1988	1089700
AF	484m SW	Gasometer	1993	1006066
AF	484m SW	Unspecified Tank	1988	1108060
AF	484m SW	Unspecified Tank	1968 - 1978	1125540
AE	490m NW	Unspecified Old Shafts	1885	1060750
AI	491m S	Unspecified Pit	1921 - 1938	1123095
AI	492m S	Unspecified Pit	1885	1139814
AI	492m S	Unspecified Pit	1886	1143636
AJ	492m NE	Unspecified Works	1988	1055955
AJ	492m NE	Unspecified Works	1968 - 1978	1132533
AI	492m S	Unspecified Pit	1901 - 1913	1035911
AI	494m S	Unspecified Pit	1955	1070180

ID	Location	Land use	Dates present	Group ID
AK	494m NW	Unspecified Ground Workings	1921	1099729
AK	494m NW	Unspecified Ground Workings	1901 - 1913	1112488
AE	494m NW	Unspecified Old Shafts	1886	1121090
Y	495m E	Gas Works	1886	1788285
16	498m W	Refuse Heap	1968	1020315
AK	498m NW	Unspecified Pit	1955	1030748

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**33**

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Unspecified Tank**	**1992**	**154037**
C	**On site**	**Tanks**	**1903**	**157459**
C	**On site**	**Unspecified Tank**	**1913 - 1917**	**159579**
C	**On site**	**Unspecified Tank**	**1887**	**162935**
C	65m S	Tanks	1913 - 1917	163642
C	66m S	Tanks	1903	162134
B	97m W	Unspecified Tank	1991	154040
B	101m W	Unspecified Tank	1971	154041
E	107m NW	Unspecified Tank	1992	166606
E	109m NW	Unspecified Tank	1972 - 1979	159696
B	116m W	Unspecified Tank	1971 - 1991	160437
B	151m W	Unspecified Tank	1971	154038

ID	Location	Land use	Dates present	Group ID
5	157m SW	Unspecified Tank	1991	154039
B	169m W	Tanks	1991	157456
B	176m W	Unspecified Tank	1971 - 1991	160973
8	217m W	Unspecified Tank	1971 - 1991	165550
K	221m S	Unspecified Tank	1988	163163
K	222m S	Unspecified Tank	1995	163820
K	222m S	Unspecified Tank	1995	167418
A	259m NW	Unspecified Tank	1971	154022
A	284m W	Unspecified Tank	1971 - 1991	165231
A	291m W	Unspecified Tank	1971 - 1991	164979
A	295m W	Unspecified Tank	1971 - 1991	159702
A	299m W	Tanks	1991	157458
A	319m NW	Tanks	1962	157457
A	320m W	Unspecified Tank	1971	154023
AA	394m W	Unspecified Tank	1991	166908
AA	397m W	Unspecified Tank	1971	167587
AF	463m SW	Gas Holder Station	1991	158031
Y	482m E	Gas Works	1887	288226
AF	486m SW	Gasholders	1991	156050
AF	486m SW	Unspecified Tank	1962	162644
AF	486m SW	Unspecified Tank	1962 - 1971	168152

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	14

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	54m N	Electricity Substation	1972 - 1992	93833
4	151m NE	Electricity Substation	1972 - 1992	96227
6	185m SW	Electric Generating Station	1903	87690
10	268m SE	Electricity Substation	1988 - 1995	90468
Q	300m NE	Electricity Substation	1991 - 1996	95659
A	313m NW	Electricity Substation	1991	86959
Y	397m E	Corporation Gas Works	1903	171366
14	413m E	Electricity Substation	1979 - 1996	184922
AF	463m SW	Gas Holder Station	1991	88006
15	464m N	Electricity Substation	1988 - 1996	92777
Y	482m E	Gas Works	1887	171808
AH	485m SE	Electricity Substation	1989 - 1996	184129
AF	486m SW	Gasholders	1991	87454
AH	486m SE	Electricity Substation	1970 - 1974	177237

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 un-grouped 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	11

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
H	170m SE	Garage	1995	31558
H	179m SE	Garage	1962 - 1988	30600
H	180m SE	Garage	1962	29350
K	226m S	Garage	1995	30274
P	276m E	Garage	1972 - 1988	89655
P	276m E	Garage	1992	89730
P	285m E	Garage	1962	89722
P	286m E	Garage	1962	89708
P	296m E	Garage	1996	59610
P	298m E	Garage	1963	89723
P	299m E	Garage	1962	89706

This data is sourced from Ordnance Survey / Groundsure.

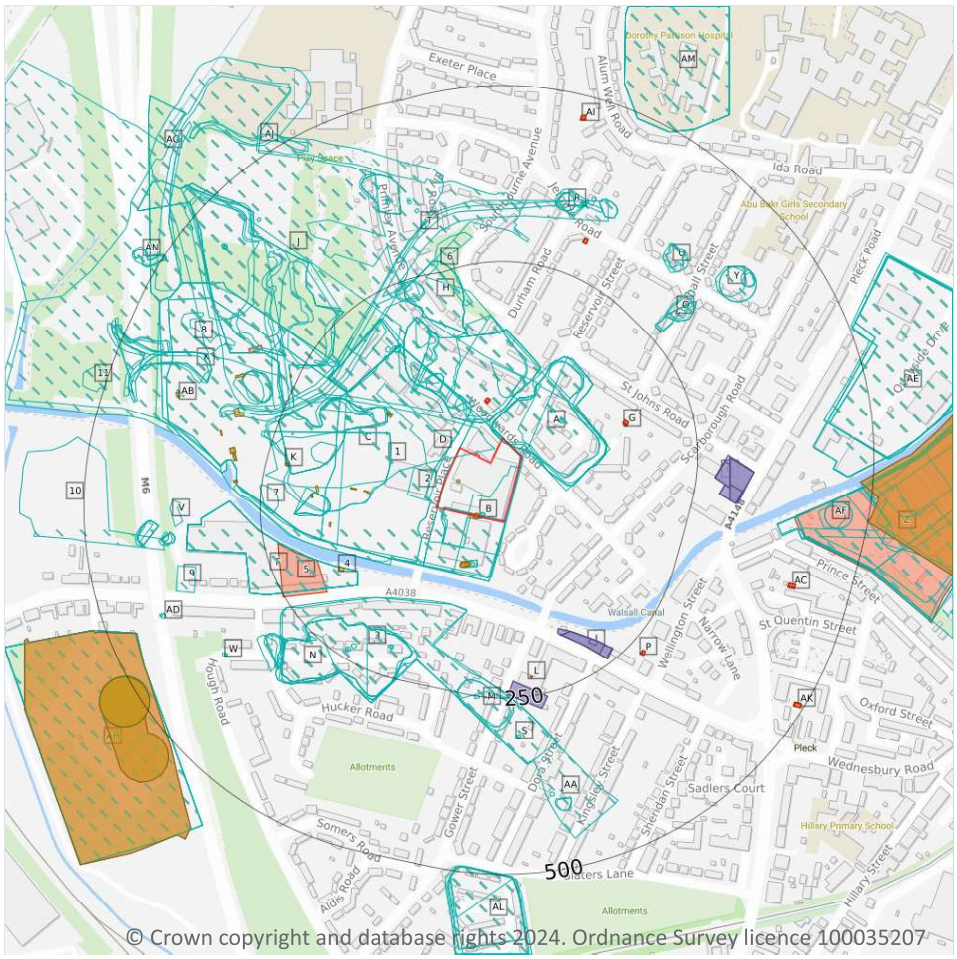
1.6 Historical military land

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	267

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 27 >**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Unspecified Works**	**1993**	**1124915**
A	**On site**	**Unspecified Heap**	**1938**	**1144795**
A	**On site**	**Unspecified Heaps**	**1886**	**1021731**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Colliery**	**1886**	**1078810**
A	**On site**	**Unspecified Heap**	**1913**	**1115057**
A	**On site**	**Unspecified Heap**	**1901**	**1115057**
A	**On site**	**Unspecified Heap**	**1885**	**1080032**
A	**On site**	**Copper Works**	**1955**	**1005350**
A	**On site**	**Unspecified Heap**	**1921**	**1144795**
B	**On site**	**Unspecified Tank**	**1938**	**1070121**
B	**On site**	**Unspecified Tank**	**1901**	**1101638**
B	**On site**	**Unspecified Tank**	**1955**	**1070121**
B	**On site**	**Unspecified Works**	**1968**	**1139440**
B	**On site**	**Unspecified Works**	**1993**	**1124915**
B	**On site**	**Unspecified Works**	**1978**	**1139679**
B	**On site**	**Unspecified Works**	**1988**	**1124915**
B	**On site**	**Unspecified Tank**	**1921**	**1070121**
C	**On site**	**Brick Works**	**1901**	**1012912**
C	**On site**	**Unspecified Works**	**1974**	**1107552**
C	11m SW	Unspecified Works	1978	1100789
C	11m SW	Unspecified Works	1988	1064149
2	13m W	Unspecified Works	1968	1045309
D	14m NW	Unspecified Works	1968	1066792
A	17m NE	Unspecified Heap	1955	1115760
A	32m N	Unspecified Ground Workings	1938	1139941
A	32m N	Unspecified Ground Workings	1913	1065628
A	32m N	Unspecified Ground Workings	1901	1065628
A	32m N	Unspecified Ground Workings	1921	1139941
A	39m N	Unspecified Heap	1885	1115970
A	53m N	Unspecified Heap	1955	1110857
A	55m NW	Colliery	1901	1044321

ID	Location	Land Use	Date	Group ID
A	58m N	Unspecified Heap	1955	1110674
B	61m S	Unspecified Tanks	1938	1041378
B	61m S	Unspecified Tanks	1901	1138301
B	65m S	Unspecified Tanks	1955	1148371
A	73m NE	Unspecified Shafts	1886	1117762
A	74m NE	Unspecified Shafts	1886	1132704
A	74m NE	Unspecified Shafts	1885	1117762
A	75m NE	Unspecified Shafts	1885	1132704
C	80m W	Unspecified Heap	1886	1046334
C	80m W	Unspecified Heap	1885	1046334
A	84m NW	Unspecified Quarry	1885	1011736
A	87m NW	Unspecified Ground Workings	1886	1124944
A	97m NW	Unspecified Heap	1955	1002209
A	103m NW	Unspecified Pit	1885	1030752
A	107m NE	Unspecified Heap	1885	1107316
C	109m NW	Unspecified Ground Workings	1938	1141215
C	109m NW	Unspecified Ground Workings	1913	1095588
C	109m NW	Unspecified Ground Workings	1901	1095588
C	109m NW	Unspecified Ground Workings	1921	1141215
C	110m NW	Unspecified Ground Workings	1955	1147378
C	129m NW	Unspecified Ground Workings	1886	1155999
3	130m S	Disused Colliery	1886	1072534
E	130m S	Disused Colliery	1885	1072534
C	132m NW	Unspecified Heap	1885	1002210
A	137m W	Unspecified Works	1968	1118507
F	144m SW	Unspecified Works	1968	1106080
F	144m SW	Unspecified Works	1974	1106080
F	144m SW	Unspecified Warehouse	1993	1004128

ID	Location	Land Use	Date	Group ID
F	144m SW	Unspecified Works	1978	1106080
F	144m SW	Unspecified Works	1988	1113906
C	150m W	Unspecified Heap	1938	1096296
C	150m W	Unspecified Heap	1913	1138971
C	150m W	Unspecified Heap	1901	1138971
C	150m W	Unspecified Heap	1921	1096296
A	152m NW	Unspecified Heap	1955	1002208
C	153m W	Unspecified Heap	1955	1047913
A	154m W	Unspecified Works	1993	1062443
H	156m N	Gravel Pit	1913	1042961
H	156m N	Gravel Pit	1901	1042961
H	156m N	Gravel Pit	1921	1154442
H	156m N	Gravel Pit	1938	1154442
C	158m NW	Unspecified Old Shaft	1885	1093420
C	160m W	Unspecified Heap	1955	1039693
C	161m NW	Unspecified Old Shaft	1886	1035564
A	162m NW	Unspecified Shaft	1938	1146261
A	162m NW	Unspecified Shaft	1913	1087693
A	162m NW	Unspecified Shafts	1901	1005748
A	162m NW	Unspecified Shafts	1901	1005747
A	162m NW	Unspecified Warehouse	1974	1153717
A	165m NW	Unspecified Warehouse	1993	1059652
A	165m NW	Unspecified Warehouse	1978	1153717
A	165m NW	Unspecified Warehouse	1988	1059652
A	166m NW	Unspecified Shaft	1955	1131379
A	169m NW	Unspecified Shaft	1921	1009437
A	185m NW	Unspecified Warehouse	1968	1112643
E	186m SW	Unspecified Heap	1955	1077012

ID	Location	Land Use	Date	Group ID
E	187m SW	Unspecified Heap	1886	1097331
J	188m NW	Colliery	1885	1048291
E	189m SW	Unspecified Ground Workings	1938	1095513
E	189m SW	Unspecified Ground Workings	1913	1117922
E	189m SW	Unspecified Ground Workings	1901	1056334
E	189m SW	Unspecified Heap	1885	1078559
E	189m SW	Unspecified Ground Workings	1921	1095513
H	194m NW	Railway Sidings	1885	1067043
6	195m N	Unspecified Heap	1993	1002206
H	203m NW	Railway Sidings	1886	1067043
E	205m SW	Unspecified Old Shafts	1885	1053760
E	205m SW	Unspecified Old Shafts	1886	1053760
A	209m NW	Unspecified Ground Workings	1886	1103520
H	218m N	Gravel Pit	1885	1078888
H	221m N	Gravel Pit	1886	1078888
7	225m W	Unspecified Heap	1921	1002211
J	225m NW	Unspecified Ground Workings	1938	1046079
J	225m NW	Unspecified Ground Workings	1913	1138275
J	225m NW	Unspecified Ground Workings	1901	1138275
E	225m SW	Unspecified Old Shafts	1885	993152
A	228m NW	Unspecified Heap	1955	1002207
M	228m S	Unspecified Heap	1885	1076304
M	229m S	Unspecified Heap	1886	1076304
A	230m NW	Unspecified Ground Workings	1921	1060157
E	233m SW	Unspecified Old Shafts	1885	1113328
E	236m SW	Unspecified Old Shafts	1886	1113328
M	241m S	Unspecified Ground Workings	1901	998903
A	244m W	Unspecified Pit	1955	1030751

ID	Location	Land Use	Date	Group ID
N	245m SW	Unspecified Heap	1955	1133938
M	249m S	Unspecified Old Shaft	1885	1003541
M	249m S	Unspecified Old Shaft	1886	1003542
A	250m W	Unspecified Ground Workings	1921	1078612
O	264m NE	Old Coal Pit	1885	1153939
O	264m NE	Old Coal Pit	1886	1153939
A	274m NW	Unspecified Pit	1938	1141081
A	274m NW	Unspecified Pit	1913	1115395
A	274m NW	Unspecified Pit	1901	1115395
A	276m NW	Unspecified Pit	1955	1112757
J	279m NW	Unspecified Ground Workings	1885	1060138
A	283m NW	Unspecified Ground Workings	1886	1039949
A	283m W	Unspecified Pit	1921	1141081
O	285m NE	Unspecified Heap	1913	1068604
O	285m NE	Unspecified Heap	1901	1068604
O	285m NE	Unspecified Heap	1921	1039757
N	286m SW	Sand Pit	1938	1042485
N	288m SW	Sand Pit	1913	1081337
N	289m SW	Sand Pit	1955	1042485
N	296m SW	Sand Pit	1921	1049793
S	303m S	Unspecified Shaft	1885	1141115
S	303m S	Unspecified Shaft	1886	1047026
J	304m NW	Unspecified Ground Workings	1955	1057790
T	316m N	Unspecified Old Shaft	1885	1003529
T	321m N	Unspecified Old Shafts	1886	993153
R	331m N	Unspecified Heap	1885	1053194
R	332m N	Unspecified Heap	1886	1053194
U	334m NE	Unspecified Heap	1901	1002205

ID	Location	Land Use	Date	Group ID
R	335m N	Unspecified Heaps	1913	1054328
R	335m N	Unspecified Heaps	1901	1054328
R	335m N	Unspecified Heaps	1921	1071865
T	339m N	Unspecified Old Shafts	1886	993138
U	339m NE	Old Coal Pit	1886	1117983
U	339m NE	Old Coal Pit	1885	1117983
T	342m N	Unspecified Heap	1938	1040464
T	342m N	Unspecified Heap	1913	1133350
T	342m N	Unspecified Heap	1901	1133350
T	342m N	Unspecified Heap	1921	1040464
R	344m N	Unspecified Shaft	1886	1009434
R	347m NE	Unspecified Heap	1913	1149091
R	347m NE	Unspecified Heap	1901	1149091
R	347m NE	Unspecified Heap	1921	1059689
R	347m N	Unspecified Shaft	1885	1009432
R	351m N	Unspecified Shaft	1886	1009435
8	351m NW	Refuse Heap	1968	1020312
9	352m W	Electric Generating Station	1901	1031994
T	354m N	Unspecified Old Shaft	1885	1003528
J	357m NW	Unspecified Heap	1955	1042104
T	357m N	Unspecified Old Shafts	1886	993140
R	360m N	Unspecified Shaft	1885	1009431
T	360m N	Unspecified Old Shaft	1885	1003530
V	360m W	Refuse Heap	1968	1020313
W	362m SW	Unspecified Old Shaft	1885	1137798
W	363m SW	Unspecified Old Shaft	1886	1131306
T	364m N	Unspecified Old Shafts	1886	993139
X	365m W	Unspecified Ground Workings	1938	1096455

ID	Location	Land Use	Date	Group ID
X	365m W	Unspecified Ground Workings	1913	1082113
X	365m W	Unspecified Ground Workings	1901	1082113
Y	365m NE	Refuse Heap	1921	2366065
X	366m W	Unspecified Heap	1955	1002214
J	366m NW	Unspecified Heap	1921	1150466
X	366m NW	Unspecified Ground Workings	1921	1096455
Y	367m NE	Sand Pit	1913	2366916
Y	367m NE	Sand Pit	1901	2366916
T	372m N	Unspecified Heap	1955	1081008
V	373m W	Unspecified Heap	1938	1041583
V	373m W	Unspecified Heap	1913	1126929
V	373m W	Unspecified Heap	1901	1048590
V	373m W	Unspecified Heap	1921	1121586
Z	375m E	Unspecified Works	1970	1798800
Z	376m E	Unspecified Works	1981	1834572
Z	376m E	Unspecified Works	1992	1834572
V	377m W	Unspecified Heap	1955	1130545
V	382m W	Unspecified Pit	1886	1030753
AA	389m S	Unspecified Shaft	1886	1009440
AA	390m S	Unspecified Shaft	1885	1009439
10	390m W	Unspecified Heap	1968	1050719
V	395m W	Unspecified Heap	1938	1117981
V	395m W	Unspecified Heap	1913	1070161
V	395m W	Unspecified Heap	1901	1070161
V	395m W	Unspecified Heap	1885	1040035
V	395m W	Unspecified Heap	1921	1117981
Y	398m NE	Coal Pit	1885	1812680
Y	398m NE	Coal Pit	1886	1812680

ID	Location	Land Use	Date	Group ID
Z	399m E	Iron Works	1938	1767087
Z	399m E	Gas Works	1901	1805468
Z	399m E	Gas Works	1921	1789964
AA	401m S	Unspecified Heap	1886	1097402
AA	402m S	Unspecified Heap	1885	1097402
V	403m W	Unspecified Heap	1955	1059969
J	407m NW	Unspecified Ground Workings	1886	1060138
Z	409m E	Gas Works	1955	1811766
V	413m W	Unspecified Ground Workings	1886	998906
AD	413m SW	Unspecified Old Shaft	1885	1116992
AE	414m E	Unspecified Works	1970	1810731
AE	414m E	Unspecified Works	1981	1810202
AE	414m E	Unspecified Works	1992	1810202
AD	417m W	Unspecified Old Shaft	1886	1051811
J	429m NW	Unspecified Shaft	1938	1009433
AF	429m E	Unspecified Pit	1921	1833175
X	431m NW	Unspecified Pit	1885	1030750
AE	432m E	Iron Works	1955	1808674
X	433m NW	Unspecified Ground Workings	1886	1145480
J	436m NW	Unspecified Shaft	1938	1140634
J	436m NW	Unspecified Shaft	1913	1103889
J	436m NW	Unspecified Shaft	1901	1103889
J	436m NW	Unspecified Old Shaft	1885	1003538
J	436m NW	Unspecified Shaft	1921	1140634
J	436m NW	Unspecified Shaft	1955	1035496
AF	438m E	Sand Pit	1901	1753374
AF	438m E	Unspecified Pit	1913	1840725
Z	439m E	Gas Works	1913	1828219

ID	Location	Land Use	Date	Group ID
AE	439m E	Iron Works	1913	1833804
AE	439m E	Iron Works	1901	1833804
AE	439m E	Iron Works	1921	1811027
J	440m NW	Unspecified Old Shaft	1886	1003537
AG	458m NW	Cuttings	1993	1094548
AG	458m NW	Cuttings	1988	1094548
AG	459m NW	Unspecified Heap	1974	1137832
AH	461m SW	Gas Holder Station	1993	1006110
AH	461m SW	Unspecified Works	1968	1102395
AH	461m SW	Unspecified Works	1974	1102395
AH	461m SW	Unspecified Works	1978	1102395
AH	461m SW	Unspecified Works	1988	1105868
Z	463m E	Railway Sidings	1970	1781703
AJ	473m NW	Unspecified Ground Workings	1978	1066699
AJ	475m NW	Unspecified Ground Workings	1988	1089700
AH	484m SW	Unspecified Tank	1968	1125540
AH	484m SW	Unspecified Tank	1974	1125540
AH	484m SW	Gasometer	1993	1006066
AH	484m SW	Unspecified Tank	1978	1125540
AH	484m SW	Unspecified Tank	1988	1108060
AG	490m NW	Unspecified Old Shafts	1885	1060750
AL	491m S	Unspecified Pit	1938	1123095
AL	492m S	Unspecified Pit	1885	1139814
AL	492m S	Unspecified Pit	1886	1143636
AM	492m NE	Unspecified Works	1968	1132533
AM	492m NE	Unspecified Works	1974	1132533
AM	492m NE	Unspecified Works	1978	1132533
AM	492m NE	Unspecified Works	1988	1055955

ID	Location	Land Use	Date	Group ID
AL	492m S	Unspecified Pit	1913	1035911
AL	492m S	Unspecified Pit	1901	1035911
AL	492m S	Unspecified Pit	1921	1123095
AL	494m S	Unspecified Pit	1955	1070180
AN	494m NW	Unspecified Ground Workings	1913	1112488
AN	494m NW	Unspecified Ground Workings	1901	1112488
AN	494m NW	Unspecified Ground Workings	1921	1099729
AG	494m NW	Unspecified Old Shafts	1886	1121090
Z	495m E	Gas Works	1886	1788285
11	498m W	Refuse Heap	1968	1020315
AN	498m NW	Unspecified Pit	1955	1030748
Z	499m E	Railway Sidings	1955	1781703

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**43**

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 27 >**

ID	Location	Land Use	Date	Group ID
B	**On site**	**Unspecified Tank**	**1917**	**159579**
B	**On site**	**Unspecified Tank**	**1887**	**162935**
B	**On site**	**Tanks**	**1903**	**157459**
B	**On site**	**Unspecified Tank**	**1913**	**159579**
B	**On site**	**Unspecified Tank**	**1992**	**154037**
B	65m S	Tanks	1917	163642
B	66m S	Tanks	1903	162134
B	67m S	Tanks	1913	163642

ID	Location	Land Use	Date	Group ID
C	97m W	Unspecified Tank	1991	154040
C	101m W	Unspecified Tank	1971	154041
D	107m NW	Unspecified Tank	1992	166606
D	109m NW	Unspecified Tank	1972	159696
D	109m NW	Unspecified Tank	1979	159696
C	116m W	Unspecified Tank	1971	160437
C	117m W	Unspecified Tank	1991	160437
C	151m W	Unspecified Tank	1971	154038
4	157m SW	Unspecified Tank	1991	154039
C	169m W	Tanks	1991	157456
C	176m W	Unspecified Tank	1991	160973
C	176m W	Unspecified Tank	1971	160973
K	217m W	Unspecified Tank	1991	165550
K	218m W	Unspecified Tank	1971	165550
L	221m S	Unspecified Tank	1988	163163
L	222m S	Unspecified Tank	1995	167418
L	222m S	Unspecified Tank	1995	163820
A	259m NW	Unspecified Tank	1971	154022
A	284m W	Unspecified Tank	1991	165231
A	285m W	Unspecified Tank	1971	165231
A	291m W	Unspecified Tank	1991	164979
A	291m W	Unspecified Tank	1971	164979
A	295m W	Unspecified Tank	1991	159702
A	296m W	Unspecified Tank	1971	159702
A	299m W	Tanks	1991	157458
A	319m NW	Tanks	1962	157457
A	320m W	Unspecified Tank	1971	154023
AB	394m W	Unspecified Tank	1991	166908

ID	Location	Land Use	Date	Group ID
AB	397m W	Unspecified Tank	1971	167587
AH	463m SW	Gas Holder Station	1991	158031
Z	482m E	Gas Works	1887	288226
AH	486m SW	Gasholders	1991	156050
AH	486m SW	Unspecified Tank	1962	162644
AH	486m SW	Unspecified Tank	1962	168152
AH	486m SW	Unspecified Tank	1971	168152

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**32**

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 27 >**

ID	Location	Land Use	Date	Group ID
A	54m N	Electricity Substation	1992	93833
A	55m N	Electricity Substation	1972	93833
A	55m N	Electricity Substation	1979	93833
G	151m NE	Electricity Substation	1992	96227
G	152m NE	Electricity Substation	1972	96227
G	152m NE	Electricity Substation	1979	96227
5	185m SW	Electric Generating Station	1903	87690
P	268m SE	Electricity Substation	1988	90468
P	268m SE	Electricity Substation	1995	90468
P	268m SE	Electricity Substation	1995	90468
R	300m NE	Electricity Substation	1991	95659
R	300m NE	Electricity Substation	1996	95659
R	300m NE	Electricity Substation	1996	95659

ID	Location	Land Use	Date	Group ID
A	313m NW	Electricity Substation	1991	86959
Z	397m E	Corporation Gas Works	1903	171366
AC	413m E	Electricity Substation	1996	184922
AC	413m E	Electricity Substation	1996	184922
AC	413m E	Electricity Substation	1979	184922
AC	413m E	Electricity Substation	1988	184922
AH	463m SW	Gas Holder Station	1991	88006
AI	464m N	Electricity Substation	1988	92777
AI	464m N	Electricity Substation	1991	92777
AI	466m N	Electricity Substation	1996	92777
AI	466m N	Electricity Substation	1996	92777
Z	482m E	Gas Works	1887	171808
AK	485m SE	Electricity Substation	1996	184129
AK	485m SE	Electricity Substation	1989	184129
AK	485m SE	Electricity Substation	1989	184129
AK	485m SE	Electricity Substation	1989	184129
AH	486m SW	Gasholders	1991	87454
AK	486m SE	Electricity Substation	1970	177237
AK	486m SE	Electricity Substation	1974	177237

This data is sourced from Ordnance Survey / Groundsure.

2.4 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. 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	18

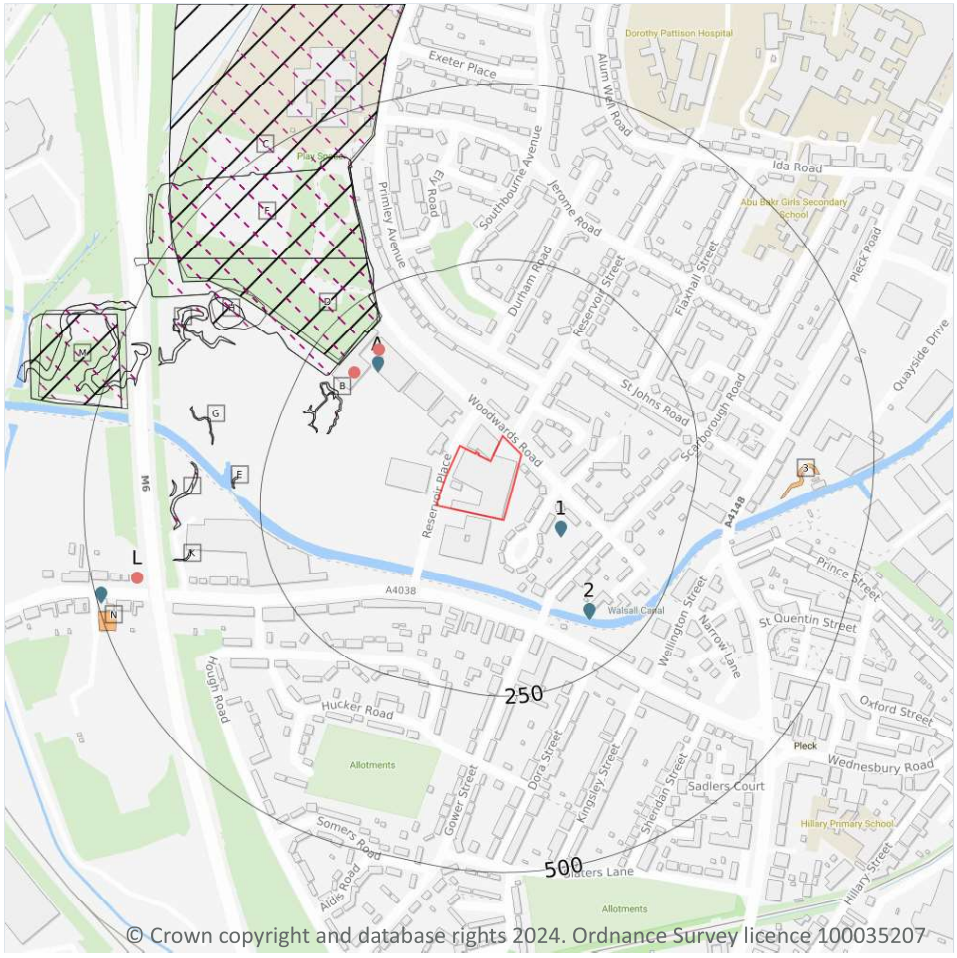
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 27 >**

ID	Location	Land Use	Date	Group ID
I	170m SE	Garage	1995	31558
I	170m SE	Garage	1995	31558
I	179m SE	Garage	1962	30600
I	179m SE	Garage	1988	30600
I	180m SE	Garage	1962	29350
L	226m S	Garage	1995	30274
L	226m S	Garage	1995	30274
Q	276m E	Garage	1979	89655
Q	276m E	Garage	1992	89730
Q	277m E	Garage	1972	89655
Q	285m E	Garage	1962	89722
Q	286m E	Garage	1962	89708
Q	295m E	Garage	1988	89655
Q	295m E	Garage	1979	89655
Q	296m E	Garage	1996	59610
Q	296m E	Garage	1996	59610
Q	298m E	Garage	1963	89723
Q	299m E	Garage	1962	89706

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

Historical landfill (EA/NRW)

Historical landfill (LA/OS)

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	25

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

Features are displayed on the Waste and landfill map on **page 42 >**

ID	Location	Site address	Source	Data type
B	172m W	Refuse Tip	1962 mapping	Polygon
B	173m NW	Refuse Tip	1962 mapping	Polygon
D	207m NW	Refuse Tip	1962 mapping	Polygon
D	208m NW	Refuse Tip	1962 mapping	Polygon
C	209m NW	Woodward Road Tip	Walsall MBC	Polygon
E	284m W	Refuse Tip	1962 mapping	Polygon
E	284m W	Refuse Tip	1962 mapping	Polygon
F	295m NW	Refuse Tip	1961 mapping	Polygon
F	296m NW	Refuse Tip	1962 mapping	Polygon
G	329m W	Refuse Tip	1962 mapping	Polygon
G	329m W	Refuse Tip	1962 mapping	Polygon
H	332m NW	IMI James Bridge	Walsall MBC	Polygon
I	341m W	Refuse Tips	1962 mapping	Polygon
I	342m W	Refuse Tips	1962 mapping	Polygon
J	350m NW	Refuse Tip	1962 mapping	Polygon
J	350m NW	Refuse Tip	1962 mapping	Polygon
K	353m W	Refuse Tip	1962 mapping	Polygon
K	354m W	Refuse Tip	1962 mapping	Polygon
I	370m W	Refuse Tips	1962 mapping	Polygon
I	370m W	Refuse Tips	1962 mapping	Polygon
M	453m W	Refuse Tip	1962 mapping	Polygon
M	454m W	Refuse Tip	1962 mapping	Polygon
M	459m W	IMI James Bridge	Walsall MBC	Polygon
M	499m NW	Refuse Tip	1962 mapping	Polygon

ID	Location	Site address	Source	Data type
M	499m NW	Refuse Tip	1962 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	**3**

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

Features are displayed on the Waste and landfill map on **page 42 >**

ID	Location	Details		
C	204m NW	Site Address: Alumwell School Landfill Site, Primley Avenue, Pleck, Walsall, West Midlands Licence Holder Address: -	Waste Licence: - Site Reference: WALS8, 644/0474, 644/1836 Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -
H	354m NW	Site Address: James Bridge Copper Works, Darlaston Road, Darlaston, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL/24, 644/32 Waste Type: Industrial, Commercial, Household, Special, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 11/11/1977 Licence Surrender: 27/01/1982	Operator: - Licence Holder: IMI Refiners Limited First Recorded 31/12/1940 Last Recorded: 27/01/1982
M	467m W	Site Address: James Bridge Copper Works Landfill Site, Darlaston Road, Darlaston, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL/256, 644/532 Waste Type: Inert, Industrial, Commercial, Household, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 21/08/1980 Licence Surrender: 10/03/1993	Operator: - Licence Holder: IMI Refiners Limited First Recorded 31/12/1940 Last Recorded: 01/03/1993

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

3.5 Historical waste sites

Records within 500m	2

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 42 >**

ID	Location	Address	Further Details	Date
3	372m E	Site Address: N/A	Type of Site: Ground Workings and Refuse Heap Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1913
N	480m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1970

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

3.6 Licensed waste sites

Records within 500m	4

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

Features are displayed on the Waste and landfill map on **page 42 >**

ID	Location	Details		
1	81m SE	Site Name: A B Skip Hire Site Address: Junction Works, Cemetery Road, Darlaston, Walsall, West Midlands, WS10 8NA Correspondence Address: Mr D E Quince, 4, Colmore Road, Kings Heath, Birmingham, West Midlands, B14 7PE	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BAY001 EPR reference: - Operator: Bayliss Andrew Michael Waste Management licence No: 40204 Annual Tonnage: 4999	Issue Date: 21/02/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
A	164m NW	Site Name: Lifecycle Oils Ltd Site Address: Units 1 - 5, Woodwards Road, Walsall, West Midlands, WS2 9SL Correspondence Address: -	Type of Site: Physical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 656969 EPR reference: EA/EPR/HB3502XY Operator: Lifecycle Oils Ltd Waste Management licence No: 406309 Annual Tonnage: 9999	Issue Date: 03/03/2020 Effective Date: 03/03/2020 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
2	177m SE	Site Name: A B Skip Hire Site Address: Junction Works, Cemetery Road, Darlaston, Walsall, West Midlands, WS10 8NA Correspondence Address: 4, Colmore Road, Kings Heath, Birmingham, West Midlands, B14 7PE	Type of Site: - Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BAY001 EPR reference: - Operator: Bayliss Andrew Michael Waste Management licence No: 40204 Annual Tonnage: 4999	Issue Date: 21/02/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
N	492m W	Site Name: C Fullard Metals Ltd Site Address: 403, Darlaston Road, Walsall, West Midlands, WS2 9SF Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 626970 EPR reference: EA/EPR/QP3296FL Operator: C Fullard Metals Limited Waste Management licence No: 42258 Annual Tonnage: 4999	Issue Date: 14/08/1992 Effective Date: 14/08/1992 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	**4**

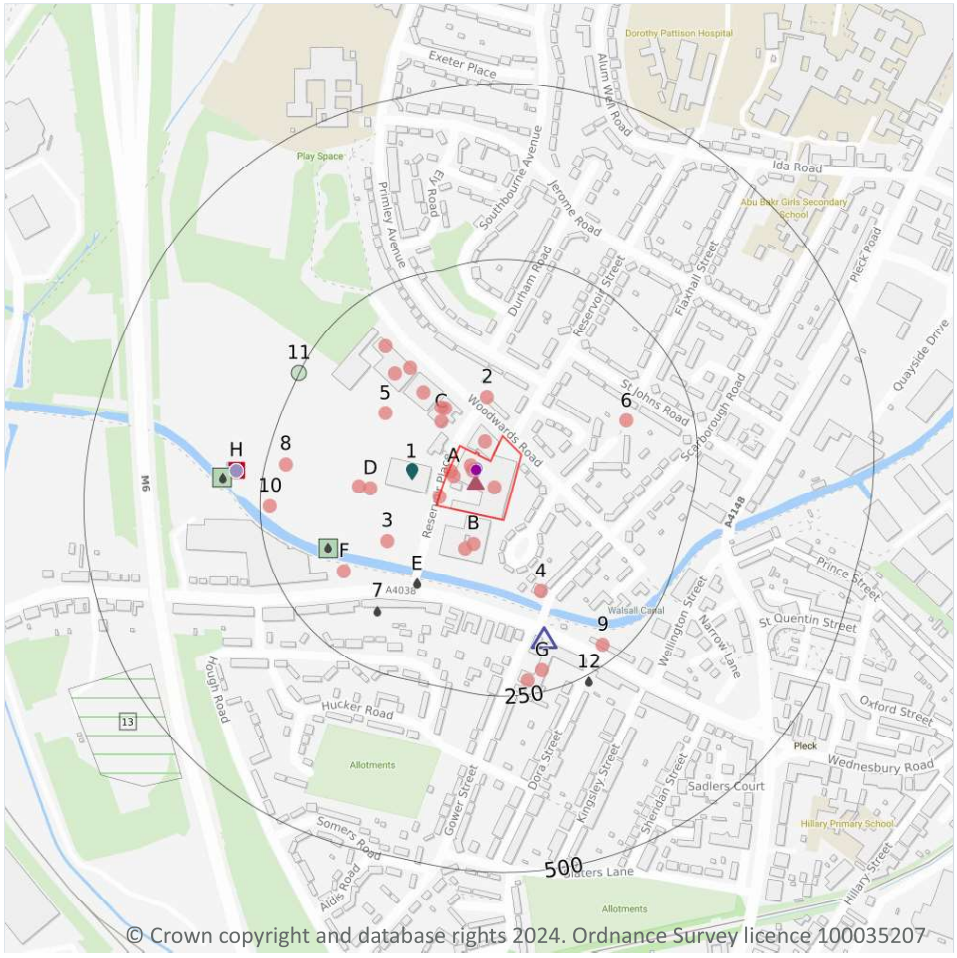
Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 42 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	178m NW	-	WEX287558	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	183m NW	-	WEX284586	Storing waste exemption	Not on a farm	Storage of waste in a secure place
L	437m W	Land Redevelopment off Darlaston Road, Between Canal and Bentley Mill Way, Bentley, WS2 9SG	WEX300857	Using waste exemption	Not on a Farm	Use of waste in construction
L	437m W	Land Redevelopment off Darlaston Road, Between Canal and Bentley Mill Way, Bentley, WS2 9SG	WEX300857	Treating waste exemption	Not on a Farm	Screening and blending of waste

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	29

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 48 >**

ID	Location	Company	Address	Activity	Category
A	On site	Tank	West Midlands, WS2	Tanks (Generic)	Industrial Features
A	On site	G T Exhausts	Ledra Works, Reservoir Place, Walsall, West Midlands, WS9 8TH	Vehicle Components	Industrial Products
A	On site	Anochrome Ltd	-, Reservoir Place, Walsall, West Midlands, WS2 9RZ	Industrial Coatings and Finishings	Industrial Products

ID	Location	Company	Address	Activity	Category
A	**On site**	**Mast (Telecommunication)**	**West Midlands, WS2**	**Telecommunications Features**	**Infrastructure and Facilities**
A	**On site**	**Electricity Sub Station**	**West Midlands, WS2**	**Electrical Features**	**Infrastructure and Facilities**
A	**On site**	**Works**	**West Midlands, WS2**	**Unspecified Works Or Factories**	**Industrial Features**
A	19m N	Factory	West Midlands, WS2	Unspecified Works Or Factories	Industrial Features
B	42m S	J & E Sedgwick & Co 2018 Ltd	-, Reservoir Place, Walsall, West Midlands, WS2 9RX	Leather Products	Consumer Products
C	44m NW	Quick Fix Auto Centre	Unit 4, Woodwards Road, Walsall, West Midlands, WS2 9SL	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	51m S	Works	West Midlands, WS2	Unspecified Works Or Factories	Industrial Features
C	58m NW	Works	West Midlands, WS2	Unspecified Works Or Factories	Industrial Features
2	60m N	Electricity Sub Station	West Midlands, WS2	Electrical Features	Infrastructure and Facilities
C	61m NW	K2 Car Hire	Unit 2, Woodwards Road, Walsall, West Midlands, WS2 9SL	Vehicle Hire and Rental	Hire Services
3	86m SW	Travelling Crane	West Midlands, WS2	Travelling Cranes and Gantries	Industrial Features
C	93m NW	Works	West Midlands, WS2	Unspecified Works Or Factories	Industrial Features
D	97m W	Tank	West Midlands, WS2	Tanks (Generic)	Industrial Features
D	113m W	Tank	West Midlands, WS2	Tanks (Generic)	Industrial Features
4	114m SE	Taurus Motorsport	1, Scarborough Road, Walsall, West Midlands, WS2 9RF	Motorsport Services	Sport and Entertainment Support Services
5	116m NW	Tank	West Midlands, WS2	Tanks (Generic)	Industrial Features
C	131m NW	Lifecycle Oils Ltd	Woodwards Road, -, Walsall, West Midlands, WS2 9SL	Recycling, Reclamation and Disposal	Recycling Services
C	138m NW	Works	West Midlands, WS2	Unspecified Works Or Factories	Industrial Features

ID	Location	Company	Address	Activity	Category
6	156m NE	Electricity Sub Station	West Midlands, WS2	Electrical Features	Infrastructure and Facilities
F	161m SW	Tank	West Midlands, WS2	Tanks (Generic)	Industrial Features
C	176m NW	Works	West Midlands, WS2	Unspecified Works Or Factories	Industrial Features
G	219m S	Myriad Automotive	New Unit, Gower Street, Walsall, West Midlands, WS2 9AS	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
8	222m W	Tank	West Midlands, WS2	Tanks (Generic)	Industrial Features
9	226m SE	T C S Trade Car Sales	100, Darlaston Road, Walsall, West Midlands, WS2 9RE	Secondhand Vehicles	Motoring
G	230m S	Pleck M O T & Service Centre Ltd	-, Gower Street, Walsall, West Midlands, WS2 9AS	Vehicle Repair, Testing and Servicing	Repair and Servicing
10	236m W	Gantry	West Midlands, WS2	Travelling Cranes and Gantries	Industrial Features

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 48 >**

ID	Location	Company	Address	LPG	Status
G	176m S	TEXACO	119-121, Darlaston Road, Gower Street, Pleck, Walsall, West Midlands, WS2 9RD	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	1

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

Features are displayed on the Current industrial land use map on **page 48 >**

ID	Location	Company	Address	Operational status	Tier
13	464m SW	British Gas	British Gas, James Bridge Holder Station, Darlaston Road, James Bridge, Walsall, WS2 9SF	Historical COMAH Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	1

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

Features are displayed on the Current industrial land use map on **page 48 >**

ID	Location	Details	
A	**On site**	**Application reference number: No Details** **Application status: Approved** **Application date: No Details** **Address: Anochrome Ltd, Reservoir Place, Pleck, Walsall, West Midlands, England, WS2 9RZ**	**Details: No Details** **Enforcement: No Enforcement Notified** **Date of enforcement: No Enforcement Notified** **Comment: No Enforcement Notified**

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	6

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

Features are displayed on the Current industrial land use map on **page 48 >**

ID	Location	Details	
H	288m W	Operator: Imi Refiners Ltd Address: Darlaston Road, Walsall, WS2 9SJ Process: Non-ferrous Metals Permit Number: AS6632	Original Permit Number: IPCAIRAPP Date Approved: 29-11-1995 Effective Date: 30-11-1995 Status: Superseded By Variation
H	288m W	Operator: Imi Refiners Ltd Address: Darlaston Road, Walsall, WS2 9SJ Process: Non-ferrous Metals Permit Number: AU4231	Original Permit Number: IPCMINVAR Date Approved: 15-1-1996 Effective Date: 16-1-1996 Status: Superseded By Variation
H	288m W	Operator: Imi Refiners Ltd Address: Darlaston Road, Walsall, WS2 9SJ Process: Non-ferrous Metals Permit Number: BD3973	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
H	288m W	Operator: Imi Refiners Ltd Address: Darlaston Road, Walsall, WS2 9SJ Process: Non-ferrous Metals Permit Number: BF3486	Original Permit Number: IPCMAJVAR Date Approved: 21-10-1999 Effective Date: 21-10-1999 Status: Superseded By Variation

ID	Location	Details	
H	288m W	Operator: Imi Refiners Ltd Address: Darlaston Road, Walsall, WS2 9SJ Process: Non-ferrous Metals Permit Number: BH7636	Original Permit Number: IPCMAJVAR Date Approved: 31-3-2000 Effective Date: 31-3-2000 Status: Superseded By Variation
H	288m W	Operator: Imi Refiners Ltd Address: Darlaston Road, Walsall, WS2 9SJ Process: Non-ferrous Metals Permit Number: BJ9193	Original Permit Number: IPCMINVAR Date Approved: 17-1-2001 Effective Date: 17-1-2001 Status: Revoked

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m **4**

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 48 >**

ID	Location	Details	
A	**On site**	**Operator: ANOCHROME LIMITED** **Installation Name: Walsall Platers 1 - EPR/BN0112IN** **Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M** **Permit Number: BN0112IN** **Original Permit Number: BN0112IN**	**EPR Reference: EPR/BN0112IN** **Issue Date: 23/11/2010** **Effective Date: 23/11/2010** **Last date noted as effective: 23/11/2023** **Status: Effective**
A	**On site**	**Operator: ANOCHROME LIMITED** **Installation Name: Walsall Platers 1 - EPR/BN0112IN** **Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M** **Permit Number: BN0112IN** **Original Permit Number: BN0112IN**	**EPR Reference: EPR/BN0112IN** **Issue Date: 23/11/2010** **Effective Date: 23/11/2010** **Last date noted as effective: 23/11/2023** **Status: Effective**
A	**On site**	**Operator: ANOCHROME LTD** **Installation Name: Walsall Platers 1 - EPR/BN0112IN** **Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M** **Permit Number: FP3438TK** **Original Permit Number: BN0112IN**	**EPR Reference: -** **Issue Date: 23/11/2010** **Effective Date: 23/11/2010** **Last date noted as effective: 21/03/2023** **Status: Effective**
A	**On site**	**Operator: ANOCHROME LTD** **Installation Name: Walsall Platers 1 - EPR/BN0112IN** **Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M** **Permit Number: FP3438TK** **Original Permit Number: BN0112IN**	**EPR Reference: -** **Issue Date: 23/11/2010** **Effective Date: 23/11/2010** **Last date noted as effective: 21/03/2023** **Status: Effective**

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

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

Records within 500m	1

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 48 >**

ID	Location	Address	Details	
1	48m W	Anochrome Ltd, Reservoir Place Pleck, Walsall, West Midlands, WS2 9RZ	Process: Surface Treatment of Metal Processes Status: Historical 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

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	17

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 48 >**

ID	Location	Address	Details	
E	114m SW	RESERVOIR PLACE, WALLSALL, WEST MIDLANDS, WS2 9RZ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: EPRXB3993EZ Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 13/02/2023 Effective Date: 13/02/2023 Revocation Date: -

ID	Location	Address	Details	
E	114m SW	RESERVOIR PLACE, WALLSALL, WEST MIDLANDS, WS2 9RZ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: EPRXB3993EZ Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 13/02/2023 Effective Date: 13/02/2023 Revocation Date: -
E	114m SW	RESERVOIR PLACE, WALLSALL, WEST MIDLANDS, WS2 9RZ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: EPRXB3993EZ Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 13/02/2023 Effective Date: 13/02/2023 Revocation Date: -
E	114m SW	RESERVOIR PLACE, WALLSALL, WEST MIDLANDS, WS2 9RZ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: EPRXB3993EZ Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 13/02/2023 Effective Date: 13/02/2023 Revocation Date: -
E	114m SW	RESERVOIR PLACE, WALLSALL, WEST MIDLANDS, WS2 9RZ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: EPRXB3993EZ Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 13/02/2023 Effective Date: 13/02/2023 Revocation Date: -
E	114m SW	RESERVOIR PLACE, WALLSALL, WEST MIDLANDS, WS2 9RZ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: EPRXB3993EZ Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 13/02/2023 Effective Date: 13/02/2023 Revocation Date: -
E	114m SW	RESERVOIR PLACE, WALLSALL, WEST MIDLANDS, WS2 9RZ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: EPRXB3993EZ Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 13/02/2023 Effective Date: 13/02/2023 Revocation Date: -
E	114m SW	RESERVOIR PLACE, WALLSALL, WEST MIDLANDS, WS2 9RZ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: EPRXB3993EZ Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 13/02/2023 Effective Date: 13/02/2023 Revocation Date: -