

Site Condition Report

Molson Coors Brewing Company - Burton South



Quality Management					
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EXECUTIVE SUMMARY

This document represents an update to the original IPPC Site Report for Molson Coors Brewing Company (UK) Limited (Enviros, 2004) produced in support of the IPPC permit application for the brewing facility located in Burton Brewery, Station Street, Burton Upon Trent, Staffordshire, DE14 1BG. This updated Site Condition Report provides a review of any potential environmental liabilities in its current condition and has been produced in support of an application to partially surrender the environmental permit (BN1437IT). The site is divided into the south and north site, the operator is surrendering the permit for the South Site (*No 1 Brewery*). Evidence of environmental monitoring and protection measures implemented throughout the operational stage of the facility has been collected and reviewed as part of this surrender revision.

The site was first developed as a brewery in the 1770s and expanded over time including significant redevelopment in 1973. The site consisted of two breweries; north and south which were combined two years prior to the permit application. The land was therefore brownfield land when the IPPC permit was applied for in 2004.

At the point of partial permit surrender Molson Coors Brewing Company (UK), as the operator of the area covered by permit BN1437IT, are responsible for ensuring the condition of the land recorded when the original Permit was issued in 2005 has not deteriorated as a consequence of operations at the facility. To evaluate the potential liabilities associated with the land within the boundary of permit BN1437IT in its current condition, RPS has reviewed all available investigation and monitoring data pertaining to the permitted area. This includes Site Condition Reports, previous site investigations, monitoring, audits, EMS protocols and procedures, inspections and environmental records.

The review demonstrates that based on the nature of the operations and rigorous environmental management and compliance procedures implemented, the nature of the land at permit issue (brownfield) and the discernible impact from historical land use prior to permit issue, that the condition of the land has not significantly deteriorated during the lifetime of the permit and that the land is in a satisfactory state to enable permit surrender. This statement has been further corroborated by a recent intrusive ground investigation (July 2019) and provides robust evidence to support that both the land and groundwater are in a satisfactory condition and that there has been no significant impact on the local environment during the lifetime of the Environmental Permit.

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Drawings

Drawing 1 Site Location Plan

Drawing 2 500-2730 - Site Layout Plan

Drawing 3 JER1014-LAY-001 - South Site Layout Plan

Drawing 4 Site Zoning Plan

Drawing 5 432-2589 - South Site Drainage Plan

Appendices

Appendix A Enviros Consulting Limited Application Site Report (2004)

Appendix B Site Closure Plan

Appendix C Decommissioning Report July 2020

Appendix D Waste Duty of Care Documentation and Transfer Note

Appendix E Decommissioning Certificates

Appendix F RPS 2019 Site Investigation (SPMP Comparison)

1 APPLICATION SITE CONDITION REPORT

1.1 Application Phase

- 1.1.1 This Site Condition Report (SCR) contains information on the condition of the site from 2004, when Molson Coors Brewing Company (UK) Limited's Integrated Pollution Prevention Control (IPPC) permit application (BN1437IT) for the brewing facility was submitted to the Environment Agency (EA). The site history prior to 2005 has been reviewed as part of this SCR where known and commented on within this report.
- 1.1.2 The application site information has been taken from the Enviros Consulting Limited, PPC Permit Application Site Report 2004 (referred to herein as Enviros ASR) and provided as Appendix A.

1.2 Site Condition Report Summary

1.0 Site Details		
Name of the applicant	Molson Coors Brewing Company (UK) Limited	
	Burton Brewery, PO Box 217, Station Street, Burton Upon Trent, Staffordshire, DE14 1BG	
National grid reference	SK 2467 2331	

Document references for Site plans (including location and boundaries)	At time of PPC Permit Application Drawing 1 Site Location Plan 500-2730 Site Layout Plan showing location of point source emissions to air JER1014-LAY-001 South Site Layout Plan
	 Figure 4 Site Zoning Plan showing Installation IPPC installation boundary and location of key activities 432-2589 – South Site Drainage Plan

2.0 Condition of the land at permit issue			
Environmental setting including:	Details of the geology, hydrogeology and hydrology are provided in Section 2.1 of this SCR.		
Pollution history including: • pollution incidents that may have affected land	Pollution history details are provided in Section 2.3 of this SCR.		
historical land-uses and associated contaminants			
any visual/olfactory evidence of existing contamination			

evidence of damage to pollution prevention measures	
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	Details regarding historical contamination near to the site are provided in Section 2.4 of this SCR.
Baseline soil and groundwater reference data	Reference documents are listed within the References Section of this SCR.
Supporting information	 Source information identifying environmental setting and pollution incidents Historical Ordnance Survey plans Baseline soil and groundwater reference data and comparison data
	See References Section of this report

3.0 Permitted activities			
Permitted activities	Details regarding permitted activities on the proposed Site are provided in Section 2.5 of this SCR		
Non-permitted activities undertaken	N/A		
Document references for: • plan showing activity layout;	A site location and boundary plan for the facility are shown on the following drawings: Drawing 1 Site Location Plan		
	 Drawing 4 Site Zoning Plan showing Installation IPPC installation boundary and location of key activities 		

1.3 Introduction

- 1.3.1 Environs Consulting Ltd were requested by Molson Coors Brewing Company (UK) Limited ('Molson Coors') (at the time known as 'Coors') to undertake an Application Site Report (ASR) to support Molson Coors' Integrated Pollution Prevention Control (IPPC) permit application (BN1437IT) for the brewing facility located in Burton Brewery, Station Street, Burton Upon Trent, Staffordshire, DE14 1BG, determined by the EA in 2005.
- 1.3.2 Under the Pollution Prevention and Control (PPC) (England and Wales) Regulations 2000, Molson Coors' Burton Brewery was regulated as a Part A1 installation. Part A1 installations were required to submit a Site Report setting out the 'initial condition' of the site at permit application to allow comparison of site conditions after cessation of operations at the site. The 'initial condition' for the purposes of this report, refers to the condition of the site at the time of the IPPC permit application. This report has been updated upon cessation of activities in the southern part of the site to compare the condition of the site to the initial report to establish if contamination of land has occurred during site occupancy and whether or not remediation will be required at permit surrender.
- 1.3.3 The Enviros ASR was prepared in order to establish the condition at point of permitting within the proposed site area and was prepared in accordance with EA document Guidance on the Protection of Land Under the PPC Regime: Application Site Report and Site Protection Monitoring Programme, H7 Guidance (Ref. 1).

Key Objectives

1.3.4 The main objectives of the Enviros ASR were, at the time of permitting to:

- Identify the environmental setting and land pollution history of the site;
- Identify activities that would be conducted at the installation that may lead to land pollution;
- Identify and assess the preventative measures that were in place to protect the land; and
- Assess whether there was:
 - Little likelihood that land pollution or leaks to land would occur during the future life of the installation; or there was
 - A reasonable possibility that there was potential for (at that time) current or future land pollution from the installation

1.4 Site location

- 1.4.1 The Burton brewery site is located in the centre of Burton-upon-Trent (see Drawing 1), centred on grid reference SK 2467 2331. The site is owned by Molson Coors and the area of the permitted installation covers approximately 24 hectares.
- 1.4.2 The permitted site is split into the North site and the South site. For the purpose of this document the whole site is referred to throughout as 'the site' because the Enviros ASR addressed the site condition of both areas as one site and this information has been included for completeness.
- 1.4.3 The specific area of site which is to be surrendered is the South site shown in JER1014-LAY-001 South Site Layout Plan. This area is also known as 'No.1 Brewery' and referred to herein as 'South Site'. The site is approximately 2.5 ha in size and is comprised of an industrial unit containing numerous building, storage tanks and hardstanding areas.
- 1.4.4 The site activities for the remaining permitted site area will also be varied as part of this application.

1.5 Details of Installation

- 1.5.1 The layout of the site and activities within the installation are shown in drawings JER1014-LAY-001 and Figure 4. At the time of permit application, the site was divided in to two areas, identified as North Site and South Site. This was as a result of two separately owned breweries being integrated and as such there are two parallel brewing operations; one on each site. These comprised the main brewhouses, fermentation rooms with associated storage areas; waste and raw materials storage; and engineering workshops. Packing of beer was undertaken within both sites including canning, bottling and kegging.
- 1.5.2 The Energy Centre and Beer processing centre also forms part of the installation and is located within the North Site. Other processes/ areas included within the installation are beer destruction (see para 1.8.4), electrical substations and the Flavoured Alcoholic Beverages (FAB) plant. The Trade Team building in the Hawkins Lane Yard (also referred to as the Middle Yard) is also included within the installation.
- 1.5.3 The majority of the site was covered with buildings and hardstanding of good quality, with a very limited amount of soft cover. The buildings on site generally comprised red brick structures that have been part of the brewery since the nineteenth century. At the time of permit application, there were no substantial changes planned to be implemented at the installation prior to permitting,

1.6 Surrounding area and sensitive receptors

- 1.6.1 The surrounding land uses in the vicinity of the area of the permit, at permit application, were a mixture of residential, retail and commercial properties, outlined as follows:
 - North: Various industrial units including (amongst other) commercial cleaning, garage services, car body repairs and general engineering. The industrial activities are interspersed with residential and retail properties;

- North east: Retail park (including a cinema, fast food establishment and a public house), residential housing and various light industry including printer and dry cleaners.
- South: Predominantly residential housing with retail establishments such as a superstore becoming predominantly light industrial to the south west including a food manufacturer;
- West: The Birmingham to Derby railway with light industry and general engineering works further west, with residential housing beyond.

1.7 Site drainage

- 1.7.1 The surface water drainage system, collecting run-off from buildings and the yard areas, discharged to the nearby River Trent via a culvert, known locally as the Moor Mill Dam.
- 1.7.2 The surface water drains were painted blue at the site. The discharge from the Reserve Osmosis plant is discharged to surface water under a consent. Substances present in the discharges to surface water included sodium, potassium, sulphate, boron, sulphate, COD and mineral oil.
- 1.7.3 There were no soakaways present on site, i.e. there was no direct discharge of water to ground within the main brewery site. A site drainage plan is shown in Drawing 432-2589.
- 1.7.4 The site held one trade effluent consent relating to discharges to foul sewer.
- 1.7.5 There were 13 No. oil water separators within the drainage system that surface waters discharged via, prior to entry into the off-site river system. The oil water separators were regularly cleaned out by a specialist contractor and contents disposed of appropriately off site.
- 1.7.6 A forklift truck washdown area was present in the north eastern corner of the Hawkins Lane Yard. Wastewater from this operation passes through an interceptor before discharge to the foul drainage system.

1.8 Waste Management

- 1.8.1 The waste streams and co-products associated with the installation included cardboard, scrap metal, glass bottles, wood, kieselguhr slurry, spent filter powder, waste yeast slurry, by products from malting, wastewater, waste oil and waste beer from beer destruction. There is no waste disposal carried out within the installation, all aspects of waste management at the site were undertaken by a contractor.
- 1.8.2 The general domestic wastes were collected and disposed of by a licensed waste contractor.
- 1.8.3 The hazardous waste store included acids, caramel, glycol, hop extract, red diesel, caustic soda, various additives boiler scale, lead acid batteries and oily rags. This was located indoors on hardstanding with a drainage channel down the centre of the building.
- 1.8.4 Waste/ sub-standard beer is collected into bulk tanks in the beer destruction area where it is stored before removal by road tanker for subsequent use in animal feed. Storage of waste oil is described in Section 2.7 of this report.
- 1.8.5 Observations during the site visit at the time of the Enviros ASR identified no visual evidence of ground contamination as a result of on-site waste storage, with the exception of minor staining around some of the waste storage areas.

1.9 Electrical Transformers and Sub-stations

1.9.1 At permit application there were nine transformers present on site. These were known to have contained polychlorinated biphenyls (PCBs) in the past but these were removed two years prior to the permit application. The equipment still contains transformer oils (PCB-free) but there have been no recorded leakage problems. Annual testing is carried out to monitor oil quality including checks for moisture content.

2 CONDITION OF THE LAND AT PERMIT ISSUE

2.1 Environmental setting

2.1.1 The following information has been taken from the Enviros ASR and therefore reflects the condition of the land at permit issue.

Topography

2.1.2 The site lies at an elevation of approximately 45 to 50 m above Ordnance Datum (AOD) and is generally level.

Geology

- 2.1.3 The site is directly underlain by drift deposits comprising the First River Terrace Deposits comprising well stratified sand and gravel with clay seams, investigations have identified and gravel to a maximum depth of 9.3 m beneath the site. Intrusive site investigations found up to 3.0 m of Made Ground to be present beneath the hardstanding. The Made Ground generally comprised sand, gravel and silt with brick fragments and ash in some places.
- 2.1.4 The solid geology beneath the drift deposits is the Merica Mudstone Group. This comprises a sequence of red-brown mudstone and silty mudstones and sub-ordinate bands of sandstone and siltstone. This was encountered at depths varying from 7.0 to 12.0 m below ground level (bgl) in the previous investigations
- 2.1.5 The Sherwood Sandstone underlies the Mercia Mudstone Group.

Hydrogeology

- 2.1.6 The EA classified the First River Terrace Deposits as a minor aquifer (now identified as Secondary A Aquifer) and the Mercia Mudstone Group is classified as a non-aquifer (now identified as Secondary B Aquifer). The Sherwood Sandstone is classified as a major aquifer (now identified as Principal Aquifer).
- 2.1.7 There were 28 No. groundwater abstraction licences within 1 km of the site, of these, 24 No. were licensed to Molson Coors (formerly Coors Brewers Ltd) and the majority are associated with the Burton Brewery.
- 2.1.8 The site within a Source Protection Zone (SPZ).

Hydrology

- 2.1.9 The nearest surface watercourse is the River Trent, located approximately 250 m to the east of the site, flowing from south to north. The water quality of the river at the site was assessed as Class C (fairly good) chemical quality under the EA's General Quality Assessment scheme.
- 2.1.10 The River Trent has a history of flooding and the site lies within an indicative floodplain and a flood warning area as classified by the EA. Properties in these areas are at risk from flooding although the risk varies. A flood risk assessment has been undertaken for the site which identified that there is a risk of flooding at the site form a 1 in 100 year flood event. The site has not been flooded since the early mid-1800s.
- 2.1.11 At the time of the application there was one licensed discharge consent relation to discharge to surface water within 500 m of the centre of the site. This is summarised in Table 2-1 below.

Table 2-1: Licensed Discharge Consents to surface water within 500 m of the site

Operator	Discharge Type	Distance from Site (m)
British Rail (London Midland)	Sewage Treatment Works – Final Effluent	400

- 2.1.12 There are two surface water abstractions held by Molson Coors the River Trent for non-evaporative cooling and spray irrigation. The abstraction for non-evaporative cooling was used on the brewery site but at the time of the application it had not been used in a number of years.
- 2.1.13 There are possible pathways to the river from the site via site drainage and shallow groundwater flow.

Ecology

2.1.14 There were no designated sensitive habitats such as Site of Special Scientific Interest, Special Protection Areas or Special Areas of Conservation, within 1 km of the site.

Vulnerability of Site to Contamination

2.1.15 The sensitivity of each of the identified receptors in the vicinity of the site to contamination, at the time of permit application, is summarised in Table 2-2.

Table 2-2: Sensitivity of Receptors in the Vicinity of the Site

Receptor Type	Receptor(s)	Sensitivity	Reasoning
Groundwater	Minor aquifer with major aquifer at depth	Very High	The site is directly underlain by a minor aquifer which is widely abstracted locally and is likely to provide base flow to surface waters. A major aquifer is also present beneath the site at depth and is widely abstracted in the area, but this overlying low permeability Mudstone protects the major aquifer from the downward migration of contamination. The site is also located within a Zone 1 Source Protection Zone for groundwater protection.
Surface Water	River Trent	Moderate	There is a watercourse, is located approximately 250 m of the site and classified as fairly good quality by the EA, with the possible contaminant pathways via site drainage and shallow groundwater flow.
Ecological	None	Very Low	There were no sensitive habitats designated within 1 km of the site.

2.2 Environmental Data and Regulatory Information

2.2.1 A summary of the various regulatory and other environmental data from the Enviro ASR, is presented below.

Pollution Control Authorisations

- 2.2.2 The site held one Integrated Pollution Control (IPC) authorisation at the time of permit application relating to the boiler house at the North Site. There were no other IPC authorisations within a 1km radius of the site. The site did not hold any local authority air pollution control (LAAPC) authorisations at the time of permit application.
- 2.2.3 There were nine LAAPC authorisations held within 1km of the site these are listed in Table 2-3.

Table 2-3: LAAPC Authorisations within 1 km of the site

Name	Description	Status	Approximate distance from site at the closest point
Unipoly Silvertown Ltd	PG6/28 Rubber Processes	Unknown	< 50 m SW
TC Harrison Ford	PG6/34 Respraying of road vehicles	Authorised	200 m E
Secret and Marriot Ltd	PG2/4 Iron, steel, and non-ferrous metal foundry processes	Authorised	400 m NW
Pentagon (Burton)	PG6/34 Respraying of road vehicles	Authorised	500 m N
AGS Coachbuilders Ltd	PG6/34 Respraying of road vehicles	Authorised	300 m NE
W Hawley Son Ltd	PG3/4 Lead glass manufacturing processes	Authorised	300 m NE
Hodgson and Hodgson Ltd	PG6/32 Adhesive coating	Authorised	500 m SW
George L White Ltd	PG6/26 Animal feed compounding	Authorised	500 m SW
Morgan (Timber and Boards) Ltd	PG6/3 Chemical treatment of timber and wood-based products	Authorised	450 m NE

Waste Management Sites

2.2.4 There are no registered landfill sites recorded within 1 km of the centre of the site. There are three registered waste transfer sites within 1 km of the centre of the site, these are summarised in Table 2-4 below.

Table 2-4: Licensed Waste Management Sites within in 1 km of the site

Licence Holder	Maximum Input	Authorised Waste	Date
Wilshees Skip Hire	Between 75,000 and 250,000 tonnes per annum	Inert waste	01/02/1996
Sims Group (UK) Limited	Between 25,000 and 75,000 tonnes per annum	Various	20/10/1999
Moors (Burton on Trent) Ltd	Equal or greater than 250,000 tonnes per annum	Dry inert commercial / industrial/ household waste and scrap metal	01/12/1991

Control of Major Accident Hazards Sites (COMAH)

2.2.5 There were no COMAH sites within 1 km of the site.

Radioactive Substances

- 2.2.6 In 2005 Molson Coors held an Authorisation under Section 7 of the of the Radioactive Substance Act 1993 for the keeping and use of radioactive materials on the site. These substances (Nickel 63 and Americium 241) were used within the canning plant level detection instrumentation to ensure that all cans are filled correctly. Monthly monitoring checks were undertaken with a mini-monitor and official checks were made by the National Radiological Protection Board on an annual basis.
- 2.2.7 There is one other registered radioactive substance within 1 km of the site held by Briggs of Burton plc located approximately 100 m west of the site.

Trade Directory Entries

2.2.8 There were 223 No. recorded trade directory entries within 1 km of the centre of the site relating to a wide range of commercial and industrial properties.

2.3 Site history

2.3.1 The site history at the time of permit application was determined through a review of historical Ordnance Survey (OS) maps provided by Landmark Information Group and from discussions with site personnel. The relevant information is summarised in the following paragraphs with copies of the historical maps provided in Appendix A of this report.

Local Area

2.3.2 The site is located within Burton-upon-Trent, traditionally known as a brewery town. Historical Ordnance Survey (OS) maps dating from 1884 show many of the buildings in the town to be associated with the brewing industry with numerous breweries, malthouses and a nearby cooperage. The Birmingham to Derby railway line also runs through the town and the Trent and Mersey Canal to the north west of the site. The town has gradually developed with the expansion of residential and retail establishments in the town centre area located around the brewery.

Site Development

- 2.3.3 It is believed that brewing began at the site in the 1770s. The earliest historical OS map of 1884 shows the brewery to be present on the site with a number of malthouses also present. An extensive system of rail tracks is shown linking buildings across the site and the main rail tracks to the north west of the site. On the 1923 map the Special Waste Marshalling area is labelled as an engine shed.
- 2.3.4 Two large malthouses present in the centre of the site and the malthouses shown in the north west of the site are no longer shown on 1968 map. The malthouse associated with the South Site is no longer present by the time.
- 2.3.5 The OS map of 1973 shows some changes in the layout of the site, particularly at the north site where there are extensions to the buildings on site, presumably for packaging operations. The other main change in the site layout on the 1973 map is the removal of the on-site railway lines. The two breweries on the site integrated approximately four years before the permit application. The latest OS map, dated 2000, shows the site in is its current (at time of permit application) layout.

Historical Site Processes & Land Uses

2.3.6 Previous processes and activities are summarised in this section for both the area of the installation and surrounding areas.

Area of PPC Installation

- 2.3.7 Although the processes had become more automated, the main brewing process had not changed significantly. However, the site had expanded over the years with development of new product ranges, notably FABs. In addition, new draught packaging and canning plants have been constructed at the site to enable expansion of the distribution side of the business.
- 2.3.8 Previous processes and activities operated within the area of the installation included the following:
 - The boilers on site were formerly coal fires and it is likely that there would have been coal storage on site;

- The current 'Kammac' building was formerly a garage for servicing vehicles. On the north eastern corner of this building an empty brick bund is present which is thought to have contained an above ground fuel tank decommissioned in 1996. The garage also has two service pits within the building, these were previously investigated as described in Section 2.5 of the ASCR.
- In Hawkins Lane Yard, the building currently used as a marshalling area for hazardous waste
 was formerly an engine shed for when the site areas were linked by a network of railway
 tracks.

Other Areas Owned by Molson Coors

2.3.9 There are other areas owned by Molson Coors which are not included as part of the installation including the Visitor Centre (formerly Museum of Brewing), the pilot brewery and Technical Centre on the South Site. Additionally, the majority of the activities in the Hawkins Lane Yard including keg storage, lorry wash, substation and diesel facility are located outside of the installation.

Neighbouring Sites

- 2.3.10 The adjacent land surrounding the Molson Coors operation is a mixture of light industrial, retail and residential use. There are a number of potentially contaminative industries including dry cleaners, beer barrel reconditioning and garages. It is possible that some of the industrial land uses surrounding the site could have had an impact on ground (particularly groundwater) quality beneath the installation area.
- 2.3.11 There are also a number of activities within the general boundary of the Molson Coors site but outside the installation area which have the potential to impact ground and groundwater quality beneath the installation. These include the diesel facility and the lorry wash in the Hawkins Lane Yard and the pilot brewery locating the South Site where small scale cleaning in place (CIP) operations are undertaken.

Pollution history

2.3.12 At the time of permit application, there had been seven pollution incidents to surface waters within 1 km of the centre of the site, these are detailed in Table 2-5. None of these incidents specifically referred to the Molson Coors site. There were no pollution incidents to groundwater recorded by the EA within 1 km of the site.

Table 2-5: Pollution Incidents

Property Type	Pollutant	Incident Date	Receiving Water	Severity	Distance from Site
Fire Water	Miscellaneous - other	27/03/1999	Watercourse	Category 3 - Minor	< 20 m west
Food Industry	Chemicals- Alkali	19/12/1997	Watercourse	Category 3 – Minor	South west boundary of site
Road (road traffic accident)	Oils – petrol	18/09/1999	Other watercourses road drains	Category 3 – Minor	400 m east
Unknown	Unknown	13/11/1995	Watercourse	Category 3 – Minor	600 m east
Unknown	Organic Wastes - Animal Carcasses	04/01/1996	Watercourse	Category 3 – Minor	500 m north east
Unknown	Organic Wastes - Animal Carcasses	23/11/1996	Watercourse	Category 3 – Minor	800 m south east
Unknown	Chemicals - acid	14/08/1998	Watercourse	Category 3 - Minor	700 m west

Historical Site Investigation

- 2.3.13 A number of ground investigations have been previously carried out at the site before the permit application. Some of these investigations were focussed on geotechnical properties of the ground and these were not included in this summary.
- 2.3.14 There were a number of investigations and reports in the North site, these include; the remediation of a diesel oil spill in Hawkins Lane Yard by Clayton Environmental, 1993-4, ERM concrete sampling 2002, URS Acid spill investigation 2002 and Harrison Environmental Consulting, North Brewhouse extension, 2003. These are detailed further in the Enviros ASR.
- 2.3.15 In 2004 Enviros undertook a tank decommission investigation of a red diesel tank and waste oil tank in the South Site. Chemical analysis was undertaken on soils within the vicinity of the tank to determine remediation requirements. Extractable Petroleum Hydrocarbons (EPH), Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and Total Organic Carbon (TOC) in soils were all found to be beneath the laboratory limit of detection.
- 2.3.16 Total Petroleum Hydrocarbons (TPH), sulphate and trichloroethene in groundwater exceeded the drinking water standards (DWS). The results confirmed minor groundwater contamination of the South Site associated with historical activities.

Potential for Historical (pre-permit) Contamination

2.3.17 Table 2-6 presents a summary of potential sources of contamination from historical (pre-permit activities) in the vicinity of the site based on the information provided in the Enviros ASR.

Table 2-6: Matrix showing potential contaminants from historical and ongoing activities within the area of the installation and adjacent sites

Potentially contaminative process	Potential contamination source	Potential contaminants
INSTALLATION AREA		
Historical Activities (pre-permit)		
Previous buildings and services	Asbestos potentially present in building fabric or pipe lagging disposed of to ground	Asbestos
Former coal storage and boilers	Coal dust or ash	Coal, sulphate, sulphide, Polycyclic Aromatic Hydrocarbons (PAHs), toxic metals
Transformers and switchgear	Leakage of transformer oils	Hydrocarbons, PCBs
Engine sheds and railway lines	Leakage of oils	Hydrocarbons, solvents, toxic metals
On-going activities (at time of permit appli	lication)	
Raw materials storage	Spillages of syrup concentrates and finings	Sugars – Biological Oxygen Demand (BOD), acids from oxidation
Above ground storage of oil (storage tanks and drums)	Potential for oil leakage into the ground	Hydrocarbons
Above ground red diesel tank and semi- below ground waste oil tank	Potential for diesel / oil leakage into the ground	Hydrocarbons
Chemical storage and use	Spillages of chemicals during storage, handling and use	Caustic, acid, glycol, water treatment chemicals
Vehicle/ forklift truck wash down area (Hawkins Lane Yard)	Leaks to ground	Hydrocarbons, surfactants

Potentially contaminative process	Potential contamination source	Potential contaminants
Product (beer) storage vessels and pipes carrying product	Failure of storage vessel and leaks to ground	BOD, Chemical Oxygen Demand (COD)
Beer destruction plant	Failure of storage vessel and leaks to ground	BOD, COD
Foul and effluent drainage and pipes carrying product	Leaks from drains and pipes	BOD, COD, acid, caustic
Transformers and switchgear	Leakage of transformer oils	Hydrocarbons
Other Coors Areas		
Vehicle washdown area (Hawkins Lane Yard)	Leaks to ground	Hydrocarbons, surfactants
Diesel Facility	Leaks and spills to ground	Hydrocarbons (Diesel)
Former oil storage in Hawkins Lane Yard	Leakage from former storage areas, including underground storage tanks	Hydrocarbons
Pilot Brewery	Leaks and spills to ground	BOD, COD, caustic and acid cleaning chemicals
Neighbouring sites		
Nearby industrial activities identified from site walkover and Trade Directory entries	Leaks and spills to ground	Hydrocarbons, solvents, other contaminants

2.4 Assessment of land pollution potential (at permit application)

Identification of Potentially Polluting Substances

2.4.1 A list of the major substances used, manufactured and stored within the installation (or waste by products from the manufacturing process) is contained in section 2.7 of this report. An assessment of their pollution potential has been made based upon their properties, toxicity and the volume stored as shown in Table 2-7. The table also indicates if the substances are likely to be already present from historical activities from Table 2-6.

Table 2-7: Assessment of Pollution Potential for Substances Associated with the Installation

Substance (contaminants)	Liquid or Solid	Storage Arrangements	Toxicity / Fate / Mobility	Pollute land if released?	Potentially present from previous activities?
Malt, hops and hops additives (organic matter)	Solid	Large quantities in silos	Solid materials so mobility limited. Biodegradable.	Unlikely	×
Yeast (organic matter)	Liquid cultures	Bulk storage tanks	Biodegradable and have low persistence in the environment. High BOD would cause severe oxygen depletion in surface waters.	Unlikely	x
Finings (organic matter)	Solid or liquid	Bulk storage Intermediate bulk containers (IBCs)	Biodegradable and have low persistence in the environment. High BOD would cause severe oxygen depletion in surface waters.	Unlikely	×
Sugar, syrups, caramel and fruit concentrates,	Viscous liquid	Small bulk storage tanks or 205 I drums	Conversion to organic acids through oxidation, which are corrosive but highly biodegradable. High BOD would	Possibly	×

Substance (contaminants)	Liquid or Solid	Storage Arrangements	Toxicity / Fate / Mobility	Pollute land if released?	Potentially present from previous activities?
alcohol (organic acids / alcohols)			cause severe oxygen depletion in surface waters.		
Lactic acid and citric	Liquid	1,000 I IBCs	Acidic therefore corrosive to concrete. Low toxicity and high degradability. High BOD would cause severe oxygen depletion in surface waters.	Possibly	×
Anti-foam agent	Liquid	25 I containers	Composition not known. Likely to be of low toxicity but used in large quantities.	Possibly	×
PAA (peroxyacetic acid)	Liquid	Bulk storage tank	Used as bactericide and fungicide. High environmental toxicity. In water, may react with water or metal ions to give acetic acid and hydrogen peroxide; it is a powerful oxidising agent of organic compounds. Not likely to be persistent.	Possibly	×
Caustic soda (high pH)	Liquid	Bulk storage tanks and IBCs	Corrosive effect on metal and plastic but not concrete. Mobile but mitigated by buffering capacity of soils and cation exchange capacity.	Possibly	✓
Sulphuric hydrochloric (low pH, chloride)	Liquid	Bulk storage tanks and IBCs	Corrosive effect on metal and concrete. Mobile but mitigated by buffering capacity of concrete and soils and cation exchange capacity.	Possibly	√
Sodium sulphate (anhydrous) gypsum kieselguhr (fines, sulphate)	Liquid	Bulk storage tanks and IBCs	Low environmental toxicity. Fines could wash into drains. Sulphate corrosive to concrete.	Unlikely	✓
Other water treatment chemicals – sodium hypochlorite antiscalents, zinc phosphate, sodium metabisulphite, detergents, biocides (bromide)	Liquid	Bulk storage tanks and IBCs	Sodium hypochlorite and metabisulphite highly reactive therefore, short fate. Small quantities of substances present.	Unlikely	*
Potassium carbonate	Liquid	1,000 I IBCs	Comprises major ions and of low environmental toxicity	Unlikely	×
Calcium chloride, magnesium sulphate	Liquid	Bulk storage tanks	Low environmental toxicity. Chloride corrosive to concrete	Possibly	✓
Glycol	Liquid	Bulk storage tanks and IBCs	Conversion to organic acids through oxidation, which are corrosive but highly biodegradable. High BOD would cause severe oxygen depletion in surface waters.	Yes	✓

Substance (contaminants)	Liquid or Solid	Storage Arrangements	Toxicity / Fate / Mobility	Pollute land if released?	Potentially present from previous activities?
Malting additives (e.g. giberrellic acid)	Liquid	5 I containers	Small quantities used. Likely to be highly degradable and of low toxicity.	Unlikely	*
Flavouring additives	Liquid or solid	Bulk storage tanks	Small quantities used. Likely to be highly degradable and of low toxicity.	Unlikely	*
Bulk colour	Liquid	Bulk storage tanks	Plant extract. Likely to be of low toxicity and degradable but used in large quantities	Possibly	×
Fumigant (aluminium phosphide)	Liquid/ gas	N/A	Aluminium phosphide used as a fumigant for infested grain in storage. Releases phosphine gas. Readily dissipated into atmosphere after fumigation complete. Only 200 kg used per year. Not stored on site – fumigation carried out by specialist contractor.	Unlikely	*
Pesticide (4% pirimiphos-methyl in isopropanol)	Liquid	5 I container	Only 5 I used per year, Pesticide likely to be highly toxic. Isopropanol very soluble in water but highly degradable.	Unlikely	×
Industrial methylated spirits	Liquid	Bulk storage tanks	Mobile especially below water table. Moderate degradability depending on carbo chain lengths but low toxicity.	Yes	✓
Light fuel oil and diesel (hydrocarbons)	Liquid	Bulk storage tanks	Mobile, especially below water table. Moderate degradability depending on carbon chain lengths and but low toxicity.	Yes	✓
Hydraulic transformer and waste oils (hydrocarbons, PAHs)	Liquid	Bulk storage tanks, drums	Mobile, especially below water table. Biodegradability and low toxicity vary according to composition.	Yes	✓
Beer and off-spec beer	Liquid	Large bulk storage tanks	Biodegradable and have low persistence in the environment. High BOD would cause severe oxygen depletion in surface waters.	Yes	✓

2.4.2 Those substances that were identified at permit application as having pollution potential were taken forward to the next part of the assessment (see 2.4.4).

Effectiveness of pollution prevention measures

- 2.4.3 Control measures to prevent ground contamination were considered at permit application, in terms of primary, secondary and tertiary containment measures in place in accordance with the EA H7 guidance. Containment measures were defined by the following categories:
 - Primary: a drum, vessel, pipe, bag etc containing the substance;
 - Secondary: a bund, double wall vessel or pipe, vent pipe, catch pit etc designed to retain the substance in the event of a failure of primary containment; and

- Tertiary: additional measures provided to contain spillages (e.g. an oil interceptor or a surface water drain, concrete hardstanding for road tankers off-loading to a bulk storage tank etc).
- 2.4.4 There was both bulk storage of chemicals and high volume throughput of polluting substances within the installation. As such, in accordance with the H7 guidance, an assessment was made as to whether there was little likelihood that pollution or leaks to land would occur during the life of the installation; or there was a reasonable possibility that there was potential for current (at permit application) or future pollution of land from the installation. Reference data was only required for the latter case.
- 2.4.5 There were procedures within the Environmental Management System (EMS) and for the Security Department that demonstrated operator management and competence with the relevant activities (provided with the permit application). There are 19 No. work instructions in the EMS which cover mostly specific environmental procedures e.g. hazardous material off-loading procedure. Security have two sets of procedures one for response to incidents and the other for recovery form incidents. One of the first actions in the procedure within the EMS for dealing with incidents is reporting to Security which initiates their response. Security personnel are trained in the implementation of these procedures. All staff and contractors receive environmental awareness training which specifically addresses incident reporting to Security. A trial was carried out in May 2002 and the deficiencies identified were incorporated into the EMS. Training records exist for all personnel who received environmental awareness training
- 2.4.6 The adequacy of the pollution prevention measures (physical infrastructure and those relating to testing, inspection and maintenance) was assessed at permit application, for each relevant activity associated for each of the potentially polluting substances identified above. The results of this assessment (from the Enviros ASR) are shown in Table 2-8, which includes information on containment measures, records of past pollution incidents and the planned inspection and testing regime. In accordance with the H7 technical guidance, each relevant activity was classified as having either 'a little likelihood' or 'a reasonable possibility' of causing future pollution to land.

Table 2-8: Assessment of the Effectiveness of Pollution Prevention Measures

Potentially Polluting Substance	Relevant System	Relevant Activity	Records of Pollution (at permit application)	Containment Measures	Planned Testing and Inspection Regime	Likelihood of Pollution?
Sugar, syrups	Brewhouses	spills / leaks Secondary: Bunding of fill points operations. Detailed inspections Tertiary: Hardstanding every 2-5 years. Bunds inspecte	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds inspected – annually.	Little likelihood		
		Storage / use	No evidence or records of spills / leaks	Primary: Bulk storage tanks / above ground pipes Secondary: Mainly bunded Tertiary: Concrete floor of Brewhouse / hardstanding	– armually.	Little likelihood
Caramel	Brewhouses	Delivery/ storage/ use	No evidence or records of spills / leaks	Primary: Bulk storage tanks Secondary: None Tertiary: Hardstanding	Visual checks as part of normal operations	Reasonable possibility
Fruit concentrate (FABs) / Alcohol	FABs plant	Delivery/ storage/ use	No evidence or records of spills / leaks	Primary: Drums Secondary: Drip trays Tertiary: Hardstanding	Visual checks as part of normal operations. Procedure for inspection of drip trays being introduced.	Little likelihood
Caustic soda (sodium hydroxide)	Brewhouses, other CIP systems, water	Delivery	Caustic spill 1999; some minor staining.	Primary: Tanker Secondary: Bunding of fill points Tertiary: Hardstanding	Visual inspection as part of normal operations. Detailed inspections every 2-5 years.	Reasonable possibility
	treatment plant	Storage / use	Caustic spill 1999; some minor staining.	Primary: bulk storage tanks / pipes and IBCs Secondary: bunding of tanks Tertiary: Concrete floors	- Bunds inspected annually.	Reasonable possibility
Sulphuric, hydrochloric, phosphoric	hydrochloric, other CIP phosphoric systems,	ther CIP acid due to failure of systems, secondary containment,	Primary: tankers Secondary: bunding of most fill points Tertiary: Hardstanding	Visual inspection as part of normal operations. Detailed inspections every 2-5 years.	Reasonable possibility	
acids water treatm plant	treatment	Storage / use	– 2002; Hydrochloric acid spill, 2001.	Primary: bulk storage tanks / pipes and IBCs Secondary: bunding of tanks Tertiary: Concrete floors	– Bunds inspected annually.	Reasonable possibility

Potentially Polluting Substance	Relevant System	Relevant Activity	Records of Pollution (at permit application)	Containment Measures	Planned Testing and Inspection Regime	Likelihood of Pollution?
Citric, lactic and peracetic acids	Brewhouses	Delivery/ storage/ use	No evidence or records of spills / leaks	Primary: IBCs Secondary: bunds Tertiary: hardstanding	Visual inspection as part of normal operations. Bunds annually inspected.	Little likelihood
Anti-foam	Brewhouses	Delivery/ Storage/ Use	No evidence or records of spills / leaks	Primary: Drums Secondary: Bunds Tertiary: hardstanding	Visual inspection as part of normal operations. Bunds inspected annually.	Little likelihood
Bulk colour	Brewhouses	Delivery/ Storage/ Use	No evidence or records of spills / leaks	Primary: bulk tanks Secondary: bunds Tertiary: hardstanding	Visual inspection as part of normal operations. Bunds inspected annually.	Little likelihood
Calcium chloride	Various	Delivery	No evidence or records of spills / leaks	Primary: tankers Secondary: fill point not bunded Tertiary: Hardstanding	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds inspected annually.	Reasonable possibility
		Storage	No evidence or records of spills / leaks	Primary: Bulk storage and IBCs Secondary: None (not bunded) Tertiary: hardstanding		Reasonable possibility
		Use	Pipe pass through basement prone to flooding	Primary: Pipes Secondary: None Tertiary: None		Reasonable possibility
Magnesium sulphate	Various	Delivery	No evidence or records of spills / leaks	Primary: tankers Secondary: none (fill point not bunded) Tertiary: Hardstanding	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds inspected	Reasonable possibility
	Stora Use	Storage/ Use	No evidence or records of spills / leaks	Primary: Bulk storage tank and pipes Secondary: None (not bunded) Tertiary: concrete floors	– annually.	Reasonable possibility
Glycol, industrial methylated	Refrigeration plant and	Delivery	No evidence or records of spills / leaks	Primary: tanker Secondary: none (not bunded) Tertiary: concrete floors	Visual checks as part of normal operations. Detailed inspections	Reasonable possibility

Potentially Polluting Substance	Relevant System	Relevant Activity	Records of Pollution (at permit application)	Containment Measures	Planned Testing and Inspection Regime	Likelihood of Pollution?
spirits, potassium carbonate	distribution systems	Storage	No evidence or records of spills / leaks	Primary: Bulk storage tanks Secondary: bunding of tanks Tertiary: hardstanding	every 2-5 years. Bunds inspected annually.	Little likelihood
Light fuel oil	Boiler houses	Delivery	No evidence or records of spills / leaks	Primary: Tanker Secondary: drip trays for fill points Tertiary: hardstanding	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds inspected annually.	Little likelihood
		Storage / use in boilers	No evidence or records of spills / leaks	Primary: bulk storage tanks/ above ground pipes Secondary: bunding of tanks Tertiary: hardstanding and spill kits	- annuany.	Reasonable Possibility (given age of tanks)
Red diesel tank	Yard adjacent middle 8 conditioning building	Delivery/ Storage/ Use	Staining present on concrete around tank	Primary: storage tank Secondary: tank bunded Tertiary: hardstanding and spill kits	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds inspected every six months.	Little likelihood (once removed form site)
Diesel tanks for standby generators	Five location across site	Delivery	Evidence of staining around Can Line 2 and 3 Generator and No. 1 brewery generator	Primary: tanker Secondary: none (fill points not bunded) Tertiary: hardstanding	Visual checks as part of normal operations. Annual bund inspections	Reasonable possibility
		Storage	Evidence of staining around Can Line 2 and 3 Generator and No. 1 brewery generator	Primary: bulk storage tanks Secondary: none all fully bunded Tertiary: hardstanding	-	Reasonable possibility
		Distribu- tion	Corrosion of pipe at Can Line Line 2 and 3 generator and evidence of diesel spillage	Primary: above or below ground pipes Secondary: none Tertiary: none	_	Reasonable possibility
Diesel, hydraulic and lubricating oils - delivery vehicles	Delivery areas across site	Delivery	No evidence or records of spills / leaks	Primary: vehicle fuel tanks, hydraulic lines etc. Secondary: none Tertiary: hardstanding	Hardstanding in key areas subject to regular inspections	Little likelihood

Potentially Polluting Substance	Relevant System	Relevant Activity	Records of Pollution (at permit application)	Containment Measures	Planned Testing and Inspection Regime	Likelihood of Pollution?
Wate oil tank	Yard adjacent middle 8 conditioning building	Filling/ storage	Staining present on concrete around tank	Primary: storage tank hydraulic lines etc. Secondary: brick lined bund Tertiary: none	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds inspected every six months.	Little likelihood (once removed form site)
Hydraulic oils and lubricants	Engineering workshop and other oil stores	Delivery/ Storage/ Use	Evidence of slight spills but unlikely to have caused any impact	Primary: drums. Secondary: drip trays Tertiary: concrete floor and spill kits	Visual checks as part of normal operations. Procedure for inspection of drip trays being introduced.	Little likelihood
Wort, beer and effluent	Brewhouses, beer destruction plants	Transport	No evidence or records of spills / leaks	Primary: pipes Secondary: none Tertiary: none	In-line checks. Annual visual inspection and ten year thorough evaluation	Little likelihood
	piants	Storage	Evidence of slight spillages into bund	Primary: Bulk storage tanks and vessels Secondary: low bund Tertiary: hardstanding/ effluent drains		Little likelihood
Organic effluent (BOD, COD, sulphate oil)	Leakage from foul and effluent drains	Effluent transport	No evidence or records of spills / leaks	Primary: Drains and pipes Secondary: None Tertiary: None	Manual inspection of chambers. CCTV investigation if deterioration suspected.	Little likelihood
Hydro- carbons and surfactants	Forklift truck washdown area and interceptor	Vehicle washing	No evidence or records of spills / leaks	Primary: Concrete pad Secondary: Effluent collection in interceptor Tertiary: None	Inspected during cleaning and maintenance	Little likelihood
		Effluent treatment in interceptor	No evidence or records of spills / leaks	Primary: Interceptor Secondary: None Tertiary: None	-	Little likelihood
Transformer oil	Transformer equipment and substations	Storage of trans- former oils in equipment	Some evidence of stained gravel around transformer equipment at sub-stations	Primary: transformer equipment Secondary: none Tertiary: hardstanding and gravel	Visual inspections	Reasonable possibility

Conceptual site Model

- 2.4.7 At the time of permit application, the guiding principle of PPC with respect to land quality was to accept no further deterioration of land during the lifetime of the permit. The aim of the Enviros ASR was therefore to develop a conceptual model which identified past and future potential sources of contamination and assessed the vulnerability of the site. The presence, nature and likelihood of adverse effects to other receptors were not primary considerations in the context of the protection of land under PPC.
- 2.4.8 At the time of permit application, the information presented in the above sections was combined to form a Conceptual Site Model (CSM). Key elements of the CSM are summarised in Table 2-9. The CSM described the condition of the site at permit application and was the fundamental objective of the ASR. The CSM was a descriptive representation of the site at permit application, establishing the contaminant sources, pathways and receptors, assessment of pollution potential and details of the pollution prevention measures. As stated in the H7 guidance, the land itself should be considered as a receptor in its own right for PPC purposes because of the requirement for no deterioration in land quality.

Table 2-9: Summary of Conceptual Site Model

Aspect	Details	
Geology	 Made Ground (up to 3 m thick; sand, gravel, and silt with brick fragments); River Terrace Deposits (6.5-7.5 m thick; sand and gravel with clay lenses); Mercia Mudstone (ca. 300 m thick; mudstone with siltstone and sandstone bands); Sherwood Sandstone 	
Hydrogeology	Site immediately underlain by Minor Aquifer. Groundwater levels approximately 3.5 m to 4.0 m below ground level. Groundwater flow direction likely to be heavily influenced by groundwater abstraction in the region. Major Aquifer at depth protected by substantial thickness of overlying low permeability mudstones.	
Surface Water Features	River Trent located 250 m East of the site, classified by EA as Fairly Good quality	
Ecological Receptors	No sensitive habitats designated within 1 km from site.	
Summary of Receptors (Linking pathways)	 Land (spills and leaks to ground); Major Aquifer (leaching from soils and percolation through permeable ground); River Trent (lateral migration of shallow groundwater). 	
Activities Identified with Reasonable Possibility of Future Pollution Occurring (following planned improvements), i.e. sources	 Delivery, bulk storage and use of caramel, caustic, acids, calcium chloride, magnesium sulphate, glycol and industrial methylated spirits; Delivery, bulk storage and use of light fuel oil; Bulk storage of diesel for standby generators; Leakage associated with transformer equipment 	
Land Pollution History & Main Pollution Incidents	 Brewing and malting activities since 1770s; Bulk above ground and underground oil storage; Acid and caustic spillages (2002); Other contaminative uses in the area; Off-site spillage of diesel associated with railway to the west of site. 	
Contamination Identified in Previous Investigations	 Remediation of diesel oil spill in Middle Yard; Elevated sulphate present in soils in area of canning line; Slightly elevated concentrations of hydrocarbons and chlorinated solvents found in limited investigations in soil and shallow groundwater at both the North and South Brewhouses. 	

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Zoning of Site

- Zones were defined in relation to activities with the potential to cause future land pollution, at the time of permit application. Following the assessment carried out in Section 2.4.4 the zones that were proposed were:
 - Bulk caustic, acid, calcium chloride, magnesium sulphate, glycol and industrial methylated spirit storage areas;
 - Bulk light fuel oil and diesel storage areas;
 - Locations of transformer equipment and substations.
- 2.4.10 In accordance with the EA H7 guidance there was a requirement to collect reference data within the Site Protection & Monitoring Programme (SPMP) for these zones.

Uncertainties and Assumptions in CSM

- 2.4.11 The following uncertainties and assumptions were implicit in the CSM described:
 - Thickness, extent and composition of Made Ground across the whole site was not known;
 - Records of known pollution incidents prior to permit application, were provided to Enviros but it
 is possible that other incidents occurred

2.5 Intrusive investigation

- 2.5.1 No intrusive investigation was carried out at the time of permit application. As stated in section 2.4.11 above, provision was made in the application to collect reference data within the SPMP for the three zones defined in paragraph 2.4.10 of this SCR.
- 2.5.2 In the design SPMP (Enviros Consulting Ltd, January 2006 Ref. 2) it was stated that the data from a previous site investigation was suitable for inclusion as part of the baseline reference data but that that would need to be supplemented by further sampling (for activities where there is a reasonable possibility of future releases to ground).

2.6 Permitted activities

- 2.6.1 Molson Coors applied for a permit to operate a Part A1 installation 2.6.1 (brewing of beers and associated activities) under the PPC Regulations in February 2005 and this was determined in November 2005 with the grant of Environmental Permit BN1437IT (EPR/ BN1437IT/A001).
- 2.6.2 There have been four variations to the permit since the original determination in 2005.
- 2.6.3 The overall operation of the site was the brewing of beer from water, malted barley, hops and yeast, followed by subsequent packaging and distribution. Production of malted barley was undertaken at the maltings. There are two main brewing areas (North Site and South Site) which are shown in Figure 3. This section of the report focuses on permitted activities that have the potential to lead to ground contamination.
- 1.1.3 The brewing of beer on the site involved the following activities:
 - Malt milling;
 - Water treatment and steam raising;
 - Mashing and boiling of wort;
 - Cooling and aeration;
 - Fermentation;
 - Maturation;

- Filtration and conditioning;
- Bulk storage of product (beer) and product lines;
- Packaging in cans, bottles or kegs for distribution;
- Raw material storage
- · Bulk chemical storage; and
- Waste handling and storage.

Directly Associated Activities

2.6.4 Permit BN1437IT includes two directly associated activities to the main Section 6.8 A(1) activity of brewing beers. These directly associated activities and their respective limitations are set out below in Table 2-10.

Table 2-10: Directly Associated Activities

Activity Reference	Activity	Limits of Specified Activity
Directly Associated Activity	Storage and handling of raw materials, ingredients and cleaning materials received in various containers, including refrigerated storage.	From receipt and storage of raw materials, ingredients and cleaning materials to transfer to processing areas.
Directly Associated Activity	Reverse osmosis and ion exchange treatment of water for use in production and cleaning, including chemical treatment.	Receipt of water from borehole or mains supply to forwarding for use in production or cleaning.

Non-permitted activities undertaken

2.6.5 All activities that were undertaken on the site were permitted.

2.7 Raw Materials and Chemical Inventory

Raw Materials

- 2.7.1 The main raw materials used within the installation were as follows:
 - Water;
 - Barley (for malting);
 - Malted barley;
 - Hops;
 - Hop extract and pellets;
 - Yeast;
 - Lactic Acid;
 - Citric Acid;
 - Sugar;
 - Finings;
 - Caramel;
 - Syrups and liquid sugar;
 - Bulk colour additives (plant extract);

- Gypsum powder;
- Filter powders (kieselguhr);
- PGA powder;
- Fruit juice and purchased alcohol (for FABs production);
- Flavourings and essences;
- Process gases (carbon dioxide, oxygen, nitrogen and chlorine).
- 2.7.2 Raw materials on site are stored at numerous locations across site generally near the point of use, either in bulk silos (barley), locally in small bulk tanks (finings and sugar) or in IBCs (caramel in the Control of Substances Hazardous to Health (COSHH) stores). Smaller quantities (25 litre containers or bags) of the additives are stored locally or in the COSHH stores. Fruit concentrate is stored in 205 litre drums within a building in the Hawkins Lane Yard. Bulk storage tanks for liquid raw materials are generally bunded with the exception of finings.
- 2.7.3 Process water is provided from a combination of deep groundwater boreholes, shallow wells and mains water supply. Boreholes are located both inside and outside of the installation boundary. Water is used for a number of processes including malting, beer production, cleaning, in the boiler houses, in evaporative condensers and small-pack pasteurisers.
- 2.7.4 Water used in the malting and brewing process is treated before use. The full water treatment processes undertaken on bath the North and South Sites are described in the main part of the PPC application. As a brief summary, water on the South Site is treated in ion exchange plants after passing through an iron removal plant dependant on the source. The North Site has a reverse osmosis treatment plant. Concentrate including an anti-scalant from this plant is discharged to surf ace water. Various additives may also be added to the water to balance pH and replace required salts

Chemical Inventory

- 2.7.5 The main chemicals used within the installation were as follows:
 - Sulphuric acid;
 - Hydrochloric acid;
 - Phosphoric acid;
 - Anti-foam agent;
 - Sodium sulphate (anhydrous)
 - PAA (peracetic acid)
 - Caustic soda (sodium hydroxide; various concentrations);
 - Sodium hypochlorite;
 - Sodium metabisulphate (disinfectant);
 - Industrial methylated spirit;
 - Calcium chloride:
 - Magnesium sulphate;
 - Potassium carbonate;
 - Glycol;
 - Anti-scalant (phosphonate and polymer):
 - Biocide (bromide/ bromine);

- Zinc phosphate (corrosion inhibitor);
- Process additives (e.g. pirimiphos-methyl);
- Fumigants (e.g. aluminium phosphide).
- 2.7.6 Chemical storage locations and intake points are shown in the Enviros ASR (Appendix A).
- 2.7.7 Most of the chemicals were held within bunded tanks located inside buildings where the concrete hardstanding was in good condition and any evidence of spills was limited. Similarly, the chemical storage located outside the buildings was observed to be very orderly within defined locations and the hardstanding was in good condition. However, the storage tanks for the following chemicals were not bunded: magnesium sulphate, calcium chloride, glycol and industrial methylated spirits.
- 2.7.8 General observations made during the Enviros site visit identified little visual evidence of ground contamination in chemical storage areas. Fill points generally had good labelling and were secure with drip trays for minor spills during filling, with the occasional exception noted.
- 2.7.9 Many of the chemicals used at the site were for CIP operations and were sorted and used across most of the process areas of the site. Pipes carrying calcium chloride used as a secondary refrigerant pass through a basement which is known to flood when groundwater levels are high.
- 2.7.10 Smaller quantities of chemicals were held in both the North and South Sites COSHH stores in a mixture of small containers and 1000 litre capacity IBCs located on drip trays and locally at the point of use.
- 2.7.11 Information provided by site personnel at the time of the application indicated that there had been previous chemical spills at the site involving sodium hydroxide in 1999, hydrochloric acid in 2001 and phosphoric acid in 2002. Secondary containment measures failed during the phosphoric acid spill in 2002 resulting in release of in excess of 1,000 litres (estimate) of phosphoric acid to the ground. URS conducted a ground investigation in the area of the spill in January 2003 (Ref. 3) and concluded that contaminants released were not likely to pose a significant risk to the underlying aquifer or nearby abstraction wells. Specific details of the other spillages are not available.
- 2.7.12 The basement of the Engineers Block in the North Site had been recently converted to a dedicated chemical storage area at the time of the permit application.

Oil Storage and Use

- 2.7.13 The main oils and lubricants used within the installation included the following:
 - Light fuel oil;
 - Hydraulic oil;
 - Waste oil;
 - Red diesel;
 - Diesel for standby generators;
 - Lubricating oils and greases;
 - Conveyor lubricant (soap).
- 2.7.14 The light fuel oil tanks were used as back up fuel for the boilers, which normally ran on natural gas. At the North Site there were six tanks at the north boiler house, however, only two of these tanks were in use. At the South Site there were three 67 m³ tanks (200 m³ total capacity), only one of which was used.
- 2.7.15 None of the tanks used on the North or South Site were filled to capacity, as stocks are limited by company policy to seven days emergency back-up supply. This was the maximum volume of all held in the tanks at any one time. The tanks were held within deep bunds and fill points are located outside the bunds but have drip trays to contain minor spills during filling operations.

- 2.7.16 A storage area for smaller quantities of oils was located within the forklift maintenance workshop, which contains several drums of hydraulic oil. The open drums were held off the floor on metal racks and although there are drip trays below each drum, slight spills were e dent on the concrete floor of the room. Other areas where small quantities of oils were stored were also observed to be adequately stored on drip trays or within bunds.
- 2.7.17 Until end of 2004, a waste oil tank was located in the central eastern area of the site, east of the Middle 8 Conditioning building in the South Site. The tank was approximately 2 m³ in capacity and partially below ground, held within a bund. Staining was noted on the concrete around the tank. The tank was emptied by a licensed waste contractor on request. Beside the waste oil tank was a bunded red diesel tank of approximately 2 m³ capacity used for fuelling forklift trucks. Staining was noted on the concrete hardstanding all around the tank. Containment measures were not in place for filling this tank or refuelling from this tank. Additionally, cracks in the concrete hardstanding around the tank were noted. A project to replace both the red diesel and waste oil tanks was completed in 2004. A new double-skinned diesel tank was installed next to the Canning Hall. Upgraded waste oil storage facilities were relocated to a bunded metal shed next to the new diesel storage tank.
- 2.7.18 In the Hawkins Lane Yard there were two underground storage tanks (USTs) which have been decommissioned and filled with sand. These formerly contained diesel end later petrol, however they are located outside the installation. No other USTs were known to be present on the site.
- 2.7.19 Observations during the Enviros 2004 site visit identified limited areas where there was visual evidence of contamination as a result of the bulk oil storage, as outlined above. However, the hardstanding at the site was in relatively good condition and it was considered unlikely that the limited staining noted will not have had a significant impact on the underlying soils. Spill response kits were available around the site and operators were trained in their use. Minor spills had occurred before the permit application, but these were all contained and cleared using spill response absorbent materials, which were subsequently disposed of as special waste by a licensed contractor.
- 2.7.20 Subsequent to the Enviros site visit in 2004, a number of diesel tanks were identified associated with standby generators. Not all of these were fully bunded at the time of the permit application and there was visual evidence of hydrocarbon staining around the Can Line 2 & 3 Generator and the South Site generators. The former was also connected to an underground pipe which showed evidence of corrosion.
- 2.7.21 Photographs of the features mentioned are shown in the Enviros ASR.

3 OPERATIONAL PHASE OF SITE CONDITION REPORT

3.1 Operational Phase

3.1.1 During the life of the Permit, the following sections of the SCR template (EPR H5) have been maintained in order that the Operator can demonstrate that the land is in a 'satisfactory state' at permit surrender. Relevant information, as identified within the template below, has been collected and recorded throughout the life of the Permit. In addition, relevant procedures have been reviewed, to ensure sufficient data is available when cessation of the permitted activities is sought.

CHANGES TO THE ACTIVITY	
Have there been any changes to the activity boundary?	No
Have there been any changes to the permitted activities?	No
Have any 'dangerous substances' not identified in the application SCR been used or produced as a result of the permitted activities	If yes, list them
Checklist of supporting information	 Plan showing any changes to the boundary (where relevant); Description of the changes to the permitted activities (where relevant); and List of 'dangerous substances' used/produced by the permitted activities that were not identified in the Application Site Condition Report (where relevant)

MEASURES TO BE TAKEN TO PROTECT THE LAND		
A summary of the records collected during the life of the permit and whether pollution prevention measures worked is described in Section 3.4.		
Checklist of supporting information N/A		

POLLUTION INCIDENTS THAT MAY HAVE HAD AN IMPACT ON LAND, AND THEIR REMEDIATION		
A summary of potential pollution incidents is detailed in Section 3.5.		
Checklist of supporting information N/A		

SOIL GAS AND WATER QUALITY MONITORING (WHERE UNDERTAKEN)		
Routine monitoring undertaken by operator as described in Section 3.6.		
Checklist of supporting information N/A		

3.2 Changes to the Activity Boundary

3.2.1 No changes to the activity boundary have been implemented during the operational stage of the permit.

3.3 Changes to the Permitted Activity

- 3.3.1 The permit has been varied four times between 2007 and 2013.
- 3.3.2 The permit was varied in February 2007 to allow the use of light fuel oil in boilers and heaters.
- 3.3.3 The permit was varied in December 2007 to implement new boiler emission limits, in light of new regulations, for the large boiler plant.
- 3.3.4 In 2010 the permit was varied to allow use of new Reverse Osmosis (RO) plant and CO₂ recovery system
- 3.3.5 In 2013 the permit was varied to include a new energy centre to replace the north brewery boiler house. This comprised two duty and one standby dual fuel boiler with a thermal input of 14.07 MW.

3.4 Measures taken to protect the land

Environmental Management System

- 3.4.1 The site was certified to ISO14001 (and ISO 9001) until 2014, after this the site operated to a Molson Cools global standard, which was agreed with the EA at the time. This standard was adopted into site management systems and subject to internal self-assessment and validation through independent internal auditors.
- 3.4.2 There are procedures in place for the identification, assessment and management of the environmental aspects of activities at the site.
- 3.4.3 The management system included risk management processes and associated actions to take in order to minimise the impact of emergencies, and also included the preventative and control measures in place on site. A preventive maintenance programme was also implemented at the site to minimise the risk of unplanned stoppages and other incidents.
- 3.4.4 All staff and contractors were aware of the global standard as part of the induction training and a copy was available on site. All visitors to site undertook a video induction which included environmental information. Additionally, contractors were managed by a responsible person who went through job specific risk assessments and method statements, including the issuing of an authority to work form similar to work permit system. Employees received environmental information through a mixture of what were called "one point lessons" or through "SPEAK briefings" a type of EHS toolbox talk. Key activities around site were covered by standard operating procedures (SOPs), which included environmental information where relevant.
- 3.4.5 A system for keeping all relevant records including but not limited to the following has been implemented as part of the management system:
 - transfer notes /duty of care documentation and a waste handling register detailing the routine
 waste streams and the responsibilities for ensuring that Duty of Care documentation is in
 place;
 - records of incidents, accidents and emergencies including details of follow-up;
 - records of complaints;
 - records of site inspections;
 - monitoring results;

- environmental compliance reports;
- environmental procedures;
- environmental permit breach notifications; and
- chemical inventory
- 3.4.6 The management system covered all aspects for record keeping required by EA Horizontal Guidance Note H6 Environmental Management Systems.
- 3.4.7 As part of the formal global standard, systems were put in place for undertaking audits, setting and reporting of environmental performance, objectives, targets and programmes for future improvements.

Process Control Systems

- 3.4.8 The majority of the plant was controlled by Programmable Logic Controllers (PLC) and any plant not controlled by the PLC, was controlled by local operator controlled panels.
- 3.4.9 Programmes had control parameters and deviation from these generated process alarms which could be viewed by the operator local to the process. Audible alarms and beacons were also present in some cases. Alarm conditions prevented the process starting, or in the case of a running process, the process was stopped and held. The process would require operator intervention before starting or restarting, or manually take samples for testing before resetting the alarm to progress to the next stage.
- 3.4.10 Energy was monitored by an energy management system, updated from flowmeter and meter readings situated all over the production site, covering areas such as steam, air, electricity and water.

Operating and Maintenance Procedures

- 3.4.11 The site operated a Computerised Maintenance Management System (CMMS), as part of an Asset Care Management System. A team of brewery engineers, electricians and locally supplied contractors carried out these activities. All plant machinery was inspected and serviced on an annual basis as a minimum. The CMMS System controlled all environmental and planned maintenance work orders.
- 3.4.12 Some specialised items of plant were subcontracted to external specialist contractors for maintenance, e.g. boiler burners, refrigeration plant; electricity generators and high voltage switch gear etc.

Environmental Notice Boards

3.4.13 Environmental notice boards were located at various points around the site during the operational period and were updated on a weekly basis with relevant environmental information for employees, including energy usage figures.

Internal Reviews

3.4.14 Daily operational review meetings were held which include discussion of any incidents and a review of daily effluent monitoring results. A weekly senior management meeting was also undertaken which reviewed the site scorecard, including any incidents plus the site targets including energy and water usage

Improvement Conditions

3.4.15 There were ten improvement conditions issued in 2005 as part of the environmental permit. The improvement programme included IP1 to IP10 and details of the programme requirements and how these conditions were met are presented within Table 3-1 below.

Table 3-1: Improvement Condition Programme

Reference	Requirement	Conditions Met
IP1	The operator shall investigation improvements to the secondary containment of the storage of magnesium, sulphate calcium chloride, glycol, IMS and caramel. The Operator shall report to the Agency on the proposed improvements along with timescale for implementation.	The secondary containment was investigated, and the following improvements were recommended in 2006: Calcium Chloride- Repairs to the concrete base installation of a catch tray under diaphragm pumps. Glycol - installation of a crash barrier to protect tank and replacement or identify alternative arrangements for refrigerant demand IMS – Drip installation under intake point and replacement or identify alternative arrangements for refrigerant demand The secondary containment of magnesium and caramel did not require further investigation or additional measures.
IP2	The Operator shall investigate the options for re-routing the basement calcium chloride pipe through areas of lower flood risk. The Operator shall report to the Agency on the proposed improvements along with timescale for implementation.	The refrigerant pipe work was inspected and was found to be in good condition. The basement was equipped with sump pumps which kept the area dry, these discharged into the foul drainage system and therefore accident al release would not enter surface water. The general threat of flooding had been addressed via the EA who embarked on a major project to increase the flood defences to accommodate for a 1 in 200 year flooding event.
IP3	The operator shall investigate the release of phosphate via sewer to the aquatic environment. The Operator will report to the Agency detailing the nature of the sources of phosphate, proposals for the reduction of phosphate discharge and the timescale for implementation.	URS provided a response to the EA to this IP on behalf of Coors (now Molson Coors) URS 2006 (Ref. 4)
IP4	The Operator shall investigate the sources of emissions to surface water and sewer of substances listed in List I and II of the Schedule to the Groundwater Regulations 1998, SI2746. The Operator shall report to the Agency on proposals for measures to reduce those discharges and the timescale for implementation of those measures.	Report submitted to EA in August 2006 detailed how condition was met.
IP5	The Operator shall investigate the sources of fugitive emissions to air of R22 refrigerant, chlorine gas, malt dust and ammonia refrigerant and quantify the amount released. The Operator shall report to the Agency on proposals for measures to reduce those discharges and the timescale for implementation of those measures	R22 - All systems that contained R22 were decommissioned and the refrigerant removed. Chlorine Gas – has been employed on site as a water sterilant but was no longer used and therefore not applicable. Malt Dust – Since the site does not include a maltings the emissions of dust were very small. Dust handling units contained filters or a cyclone to prevent dust emissions to the atmosphere. All dust was collected and bagged for appropriate disposal. Failure of these plants was automatically detected and visually detected. Ammonia – Fugitive emissions were minimised through the use of specialist refrigeration contractors who maintained the equipment on a defined schedule.

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Reference	Requirement	Conditions Met
IP6	The Operation shall submit proposals to the Agency for an inspection and maintenance programme for all sub-surface pipework, sumps and storage vessels, to include all surface and foul drainage systems. The proposals shall include a timescale for implementation and suggested frequency of future surveys.	Steve Mearns (EA) accepted a drainage management strategy that was submitted by Molson Coors in May 2009.
IP7	The Operator shall investigate the on- or off- site recovery of waste materials that are currently disposed of. The Operator shall submit a report to the Agency which shall include proposals for recovery of waste and timescales for implementation.	The waste on site was managed in partnership with Molson Coors and Veolia Environmental Services. Carboard, plastics, wood, glass and steel/ aluminium cans were recycled.
IP8	The Operator shall develop and implement an Odour Management Plan for the installation, having regard for techniques described in the Agency Technical Guidance Note IPPC S6.10 and Technical Guidance note IPPC H4, Horizontal Guidance for Odour Part 1 (Regulation and Permitting) and Part 2 (Assessment and Control). A copy of the Odour Management Plan shall be submitted to the Agency.	Coors (now Molson Coors) wrote an odour management plan that detailed how they would minimised excessive odour generation. The plan also that Best Available Techniques (BAT) would be complied with. They were also proactive in addressing any odour issue that arose on site through the use of their internal incident procedure. Odour complaints were folly investigation and the appropriate steps were taken to ensure the root cause was established and corrective action was taken to address the issue.
IP9	The Operator shall develop and implement a Noise Management Plan for the Installation, having regard for techniques described in the Agency Technical Guidance Note IPPC S6.10 and Technical Guidance note IPPC H3 Horizontal Guidance for Noise Part 1 (Regulation and Permitting) and Part 2 (Assessment and Control). A copy of the Noise Management Plan shall be submitted to the Agency.	Coors (now Molson Coors) wrote a Noise Management Plan that detailed how the noise emission were minimised throughout the operations and maintenance of plant and equipment. The plan also that Best Available Techniques (BAT) would be complied with. They were also proactive in addressing any noise issue that arose on site through the use of their internal incident procedure. Noise complaints were folly investigation and the appropriate steps were taken to ensure the root cause was established and corrective action was taken to address the issue.
IP10	The Operator shall investigate the sources of emissions to surface water of COD and Suspended Solids. The Operator shall report to the Agency on proposals for measures to reduce those discharges and the timescale for implementation of those measures	EA accepted this was no longer relevant, letter from N. E. Iles (EA) on September 2006 Ref. NEI010906ref02

3.5 Pollution Incidents that may have had an impact on land and their remediation

- 3.5.1 There was one reportable incident on site in January 2007 when it was discovered wort was leaking form an agitator due to a failed seal. This wort was lost to the Seven Trent Foul Sewer and Severn Trent were informed.
- 3.5.2 The incident was reviewed by the Environment Manager and departmental representatives. The loss of wort to the foul sewer had not caused Severn Trent issues at the sewage treatment works and a number of recommendations from the review were implemented including adding agitator checks into regular monitoring checks and review of the design of the agitators to check they were fit for purpose.

3.5.3 There were no pollution incidents on site that had a direct impact on the land for the duration of the site operation.

3.6 Soil, Gas and Water Quality Monitoring

Monitoring Requirements of Permit

3.6.1 Considering the low potential for undetected pollution release to land either from activities within the installation or from nearby sites, no ongoing environmental monitoring was required.

Other Monitoring

3.6.2 A monitoring programme for waste was in place as part of the EMS, which recorded the quantity, nature, origin, frequency of collection and mode of transport of the various waste streams generated at the site. All waste removed was weighed via the weighbridge and security gatehouse who recorded details of all the waste movements and stored the waste transfer notes. Paperwork was filed manually and kept by the Environment, Health and Safety Manager.

Fugitive Emissions Monitoring

3.6.3 Condition 4.1.4 of the environmental permit BN1437IT requires the operator to submit annual fugitive emissions reports to the EA. This involved a review of practices adopted on the site to minimise fugitive emissions. The potential for fugitive emissions is now deemed minimal post decommissioning and not considered to be a risk.

4 SURRENDER PHASE OF SITE CONDITION REPORT

4.1 Surrender Phase

4.1.1 At permit surrender, the following sections of the SCR template (EPR H5) have completed and submitted to the Environment Agency as part of the Permit Surrender Application. Information that has been gathered over the lifetime of the Permit has been used to identify whether the land is in a satisfactory condition. If necessary, surrender reference data will be collected and remediation will be undertaken if required.

Decommissioning and removal of pollution risk

Describe how the Site will be decommissioned. Demonstrate that all sources of pollution risk have been removed. Describe whether the decommissioning had any impact on the land. Outline how this was investigated and remedied.

Checklist of supporting information

See section 4.3

Reference data and remediation (where relevant)

State whether land and/or groundwater data was collected or whether it wasn't required because the information within the Surrender Site Condition Report shows that the land has not deteriorated.

If any land and/or groundwater reference data was collected, summarise what this entailed, and what the data found. State whether the data shows that the condition of the land has deteriorated, or whether the land at the Site is in a "satisfactory state". If it isn't, a summary of what has been done to remedy this should be provided. The EA must confirm that the land is now in a "satisfactory state" at surrender.

Checklist of supporting information

N/A

Statement of Site condition

Provide a statement about the condition of the land at the Site. This should confirm that:

- The permitted activities have stopped
- · Decommissioning is complete, and the pollution risk has been removed; and
- The land is in a satisfactory condition.

4.2 Area to be Surrendered

4.2.1 The South Burton brewery area is to be surrendered only, this area is shown in drawing JER1014-LAY-001 - South Site Layout Plan.

4.3 Decommissioning and removal of pollution risk

Site Closure Plan

4.3.1 A Site Closure Plan (SCP) was developed by Molson Coors with the aim of providing a clear plan on how to safely decommission the site in the event of closure and thereby reduce any risk to the environment and human health. The SCP is regulated under environmental permit BN1437IT and shows the planned production shutdown sequence and is shown in Appendix B.

- 4.3.2 The final brewing took place on the South Site in December 2017 and the SCP was reviewed and used to support the implementation of closure procedures. The SCP was used to support the formation of the South Site decommissioning plan. A project team of Molson Coors personnel remained on site for six months during 2018 to carry out decommissioning, isolating and making safe, from an environmental and safety viewpoint, all remaining equipment on site.
- 4.3.3 Primarily the SCP provided for the removal of any waste / chemicals / residues from plant areas and associated pipework, the disposal of that waste with a suitably qualified waste contractor and the isolation and disabling of any power to the plant.
- 4.3.4 The removal of the chemicals and waste forms part of the SCP which aimed to progress the South Site to a position of 'dead and dark'. This included pollution risks associated with the permit, such as gas oil from the boilers, and treatment plant chemicals in tanks and pipe work. Through removing, as far as practicable, all potentially polluting materials the South Site have met one of the key requirements for gaining the site's partial permit surrender.
- 4.3.5 The South Site, in a de-risked state, can remain mothballed pending demolition works. The final key permit surrender requirement is to demonstrate that the site is in a satisfactory state.
- 4.3.6 The steps required to achieve 'dead and dark' at the South Site are presented in Table 4-1 and 4-2. This included the wash down of the plant, clearing of lines and removal of chemical inventories from the facility, with products returned to the suppliers where possible and stored for safe removal from the site where this is not possible.

Table 4-1: Actions to be undertaken to in South Site – underground structures

Action	Supporting Evidence
Flush combined effluent drainage system with water. Fill drains at site boundary to prevent discharge	Effluent systems have been flushed as part of cleaning processes and water storage discharged through the drainage systems. Details provided in decommissioning report (Appendix C).
Flush foul drainage system with water. Fill drains at site boundary to prevent discharge	Drainage has not been filled at site boundary to ensure that rainwater can still drain from the site and to accommodate future development of the site. Details provided in decommissioning report (Appendix C).
Remove process equipment at the south brewery malt silos delivery cellar and fill with hardcore and with soil or concrete.	The equipment remains in situ in the basement for removal as part of future site development. Oil has been drained from motor gearboxes on the malt system. The basement has not been filled in.
Remove process equipment at the boiler house cellars/ sump areas delivery cellar and fill with hardcore and with soil or concrete	Fuel oil pipework has been removed from the service trench at the rear of the boilers, other pipework remains in situ but fully drained down i.e. water and gas supply
Remove pipe work and mains at the generator houses oil pipe ducts and fill with soil or concrete	Oil tanks at the generator houses have been drained and emptied.
Remove vessels were possible from interceptor pits and/ or fill	The spent grain silo pit has been cleaned and secured to prevent gratings being lifted up.
Remove process equipment from effluent flumes / pits and fill with hardcore and with soil or concrete	Monitoring equipment / process equipment has been removed from the effluent flume. This has not been filled/blocked off to allow any rainwater to be able to drain away from site. The covers on the effluent pit have been secured to prevent them being opened without tools.

Table 4-2: Actions to be undertaken to in South Site – underground structures

Action	Supporting Evidence
Empty and clean malt silos and malt handling plant	Details provided in Decommissioning Report (Appendix C)
Empty and clean brew house vessels	Details provided in Decommissioning Report (Appendix C) and Decommissioning Certificate (Appendix E)
Empty and clean spent grain silos	Details provided in Decommissioning Report (Appendix C)
Empty and clean process vessels and mains	Details provided in Decommissioning Report (Appendix C) and Decommissioning Certificate (Appendix E)
Empty, dispose of waste appropriately clean bulk storage tanks	Details provided in Decommissioning Report (Appendix E)
Recover refrigerant from refrigeration equipment, drain oil, drain and flush refrigeration pipe work and dispose of waste appropriately.	Details provided in Decommissioning Report (Appendix C) and Decommissioning Certificate (Appendix E)
Empty and clean water treatment equipment and dispose of waste appropriately	De-commissioned, cleaned and marked redundant circa 2011 as part of site water project, details provided in Appendix C.
Dispose of radioactive sources	None present at the South Site
Recover refrigerant and drain oil from air conditioning units	Removed by third party specialist. Details provided in Decommissioning Report (appendix C)
Isolate natural gas supply, vent and purge mains	Details provided in Decommissioning Report (Appendix C)
Isolate supply at electrical distribution system, recover SF6, drain oil and dispose of waste appropriately	The electrical supply has been isolated and locked off at the Western Power switchgear entering the site, this has not been physically disconnected as future developers will require a power supply to site. There was no SF6 switchgear on site, transformers have been left with oil in (previously tested for PCB's) as potential that equipment may be re-utilised for future development of the site.
Drain and dispose of oil from oil containing equipment as special waste	Details provided in Decommissioning Report (Appendix C) and Waste and Transfer documentation is provided at Appendix D
Dispose of asbestos containing equipment appropriately	A full demolition survey has been carried out identifying asbestos containing material (ACM) across the site, this is included in site documentation for future development.

- 4.3.7 Following the operation of the South Site, which ceased in December 2017, all chemicals have been removed from the South Site. All bulk chemical levels, wherever possible, were run down by use in the process prior to the South Site's closure. The remainder were either removed from site as a waste to suitability permitted waste receiving facility, using a licenced waste carrier or transferred to IBCs and moved to the North Site by a licenced and approved waste contractor (Ancorra). Example waste consignment notes and a transfer note showing the movement to the North Site are provided in Appendix D.
- 4.3.8 Appropriate health and safety measures have been in place to ensure that the management of the chemicals has not caused any unnecessary harm to human health or the environment. The incident reporting procedure that was used during the operational phase of the installation was also maintained throughout decommissioning and Molson Coors have confirmed that no spills occurred during the decommissioning phase.

4.3.9 Molson Coors have achieved a state of 'dead and dark' at the South Site and the plant has been mothballed to a low risk state.

Decommissioning Report

- 4.3.10 Molson Coors also implemented other measures in line with the original SCP 2005 which formed the main Decommissioning Report July 2020 Appendix C. These additional measures included the following documents:
 - Site Closure & Decommissioning Work Overview setting out the decommissioning plan for the various areas of the South Site including photographs.
 - Decommissioning Certificates
 - Waste Duty of Care documentation
- 4.3.11 The waste duty of care documentation is provided in Appendix D and an example Decommissioning Certificate is in Appendix E.
- 4.3.12 The waste duty of care documentation provides evidence that the materials existing on site at the time of closure were disposed of appropriately.
- 4.3.13 Demolition is not considered in the Decommissioning Report or SCP as Molson Coors intends to partially surrender the permit prior to the commencement of any demolition. The objective of the Decommissioning Report therefore, has been to reduce the South Site to a 'dead and dark' derisked state ensuring there are no source receptor pollutant linkages remaining.

4.4 Reference data

4.4.1 An intrusive investigation was required to accurately compare the site to the initial site condition report and to confirm that there has been no environmental deterioration as a consequence of Molson Coors' activities.

Intrusive Ground Investigation 2006

- 4.4.2 Enviros were commissioned to undertake a site wide intrusive investigation in March 2006 consisting, amongst others, in the development of three monitoring locations at the South Site.
- 4.4.3 An intrusive investigation was undertaken to characterise substances identified as being present or potentially present in, on or under the ground in the Enviros ASR.
- 4.4.4 The intrusive investigation was reported as part of the first report for the SPMP (Enviros, May 2006 Ref. 5).
- 4.4.5 Geological logs were produced, and soils samples and groundwater samples were taken and analysed.
- 4.4.6 Three boreholes were drilled in the South Site as summarised in Table 4-4 below:

Table 4-3: Sampling Rationale for the South Site.

ID	Location	Purpose
BH101	Adjacent to LFO storage, South Boiler House	Reference data for possible historical spillages associated with bulk LFO tanks
WS104	Adjacent to LFO intake, South Boiler House. Nearby caustic and acid storage.	Reference data for possible historical spillages associated with bulk LFO tanks or caustic and acid storage
WS105	Acid and caustic storage, South Boiler House	Reference data for possible historical spillages associated with caustic and acid storage

4.4.7 This report identified high pH in soil and slightly elevated concentrations of TPH in soil in the South Site.

Intrusive Ground Investigation 2019 - Comparison

- 4.4.8 The aim of the RPS 2019 Site Investigation was to provide supporting evidence demonstrating that during the life of the permit, in the South Site, there had been no discernible impact to the water and soil environment through a comparison of the dataset collected during the 2006 Site Investigation.
- 4.4.9 A monitoring borehole, WS105A, was drilled in 2019 to enable comparison of soil samples taken from WS105 in 2006. The 2019 Site Investigation consists therefore in groundwater sampling at three locations, i.e. BH101, WS104 and WS105A.
- 4.4.10 A copy of the RPS 2019 Ground Investigation is provided in Appendix F.

Soils

4.4.11 The results of the soils analysed in 2006 and 2019 can only be directly compared between WS105 and WS105A. The results show comparable and / or reduction in concentrations of contaminant of concerns. With the exception of phosphate, concentrations of inorganic compounds (chloride, potassium, sodium, calcium, nitrate) tends to be higher within shallower horizons. Absence of hydrocarbons from 2019 samples when compared to 2006 soils samples indicated previously relatively elevated concentrations are no longer present in the vicinity of WS105 / WS105A. These results are shown in Table 4-5 below.

Table 4-4: Soils Comparison

Determinant	BH101 0.5	BH101 1.5	BH101 3.0	WS104 0.6	WS105 0.7	WS105 1.4	WS105A 0.5	WS105A 0.7	WS105A 1.4
pH (unit)	9.79	10.55	8.70	12.47	9.94	6.84	9.46	8.95	8.81
TOC (%)	0.84	0.27	0.05	0.60	0.14	0.09	<0.2	<0.2	<0.2
Soluble SO ₄ (g/l)	0.175	0.105	0.034	12	0.058	0.005	0.020	0.008	0.009
Total Sulphate	1,244	725	125	2,239	67	<50	129	<48	<48
Phosphate (PO ₄)	<1	<1	1	<1	<1	<1	7.49	4.52	<1
Chloride	148	178	36	104	20	9	8.92	<5	5.1
Nitrate	41	101	7	12	4	<1	3	2	2
Potassium	2,786	1,858	692	1,046	688	478	697	1,390	532
Sodium	679	372	224	512	212	103	52.4	147	23.9
Calcium	21,650	13,530	1,460	62,840	30,840	318	26,400	17,900	726
Arsenic	4	4	1	5	2	1	5	4	3
Cadmium	<1	<1	<1	<1	<1	<1	0.47	0.11	0.14
Chromium	25	36	10	15	12	13	6	3	2
Copper	13	5	6	24	6	7	11	6	8
Lead	61	11	5	30	10	5	19	6	5
Mercury	<1	<1	<1	<1	<1	<1	<0.14	<0.14	<0.14
Nickel	9	8	6	8	6	5	10	6	7
Selenium	<3	<3	<3	<3	<3	<3	<1	<1	<1
Zinc	47	22	16	43	28	17	42	25	22
EPH (C10-C40)	22	43	41	207	57	195	<0.1	<0.1	<0.1
GRO (C4-C10)	<0.01	<0.01	<0.01	<0.01	<0.01	2.3	<0.02	<0.02	<0.02
GRO (10-C12)	<0.01	<0.01	<0.01	<0.01	<0.01	2.2	<0.035	<0.035	<0.035
Benzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.009	<0.009	<0.009
Toluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007	<0.007	<0.007

Determinant	BH101 0.5	BH101 1.5	BH101 3.0	WS104 0.6	WS105 0.7	WS105 1.4	WS105A 0.5	WS105A 0.7	WS105A 1.4
Ethyl Benzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.004	<0.004	<0.004
m&p Xylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o Xylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MTBE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Units in mg/kg unless stated otherwise.

Groundwater

4.4.12 Groundwater was only analysed in BH101 during the 2006 intrusive investigation. The comparison between 2006 and 2019 dataset is provided in **Table 4-5**. The comparison between 2006 and 2019 dataset indicates geochemistry of similar order of magnitude with most contaminants of concerns marginally above or under detection limits. Groundwater was also taken from available boreholes within Burton South, namely WS104 and WS105A on 25th June 2019. Results observed in 2019 cannot be directly compared with previously obtained data from the 2006 intrusive investigation, but the results from 2019 indicate no significant level of contamination are present within the groundwater at these locations.

Table 4-5: Groundwater Comparison

Determinants	Units	BH101 (22/3/06)	BH101 (25/6/19)	WS104 (25/6/19)	WS105A (25/6/19)
рН	pH Units	8.43	7.83	7.19	8.26
Conductivity @ 20 deg.C	mS/cm	1.363	0.331	0.057	0.256
BOD, unfiltered	mg/l	3	2.12	2.28	<1
COD, unfiltered	mg/l	12	<7	10.2	22.3
Dissolved Oxygen	mg/l	10	3.97	9.31	1.12
Ammoniacal Nitrogen as N	mg/l	2.1	<0.2	<0.2	0.57
Chloride	mg/l	200	12.3	<lod< td=""><td>2.1</td></lod<>	2.1
Nitrate as NO3	mg/l	2.7	4.32	0.54	2.04
Phosphate (Ortho as P)	mg/l	<0.08	0.47	<0.02	0.09
Sulphate	mg/l	79	40.5	<2	20.8
Arsenic (diss.filt)	μg/l	1	3.39	0.52	3.26
Cadmium (diss.filt)	μg/l	<0.4	<0.08	<0.08	0.08
Calcium (Dis.Filt)	mg/l	79.4	34.3	7.58	26.1
Chromium (diss.filt)	μg/l	2	1.6	<1	<1
Copper (diss.filt)	μg/l	2	2.14	4.21	2.79
Lead (diss.filt)	μg/l	<1	<0.2	<0.2	3.49
Nickel (diss.filt)	μg/l	4	0.52	2.48	1.97
Potassium (Dis.Filt)	mg/l	14.7	30.7	1.3	5.9
Selenium (diss.filt)	μg/l	2	1.51	<1	<1
Sodium (Dis.Filt)	mg/l	150.0	34.7	0.8	34.4
Zinc (diss.filt)	μg/l	22	2.3	4.9	10.2
Mercury (diss.filt)	μg/l	<0.05	<0.01	<0.01	<0.01
GRO >C5-C12	μg/l	<10	<50	<50	61
EPH Range >C10 - C40 (aq)	μg/l	132	<100	364	102
Benzene	μg/l	<10	<7	<7	<7

Determinants	Units	BH101 (22/3/06)	BH101 (25/6/19)	WS104 (25/6/19)	WS105A (25/6/19)
Ethylbenzene	μg/l	<10	<5	<5	<5
Toluene	μg/l	<10	<4	<4	<4
o-Xylene	μg/l	<10	<3	<3	<3
m,p-Xylene	μg/l	<10	<8	<8	<8
MTBE	μg/l	<10	<3	<3	<3
Trichloroethene	μg/l	Not tested	<1	<1	<1

Conclusions

- 4.4.13 Based on the 2019 comparison investigation, no adverse changes have been observed between 2006 and 2019 with regards to soil and groundwater for those key determinants identified by the first SPMP associated with the installation.
- 4.4.14 The slightly elevated concentrations of hydrocarbons found in soil and shallow groundwater at the South Site recorded in the Enviros ASR 2005 has not been detected during the 2019 round either in the soils or in the groundwater.
- 4.4.15 The EPH concentrations in WS104 and WS105 are above the LOD but the concentrations recorded are very low, the WS104 result is marginally above the conservative WHO drinking standard of 300 ug/l.
- 4.4.16 An elevated concentration of Trichloroethene was identified in the Enviros 2004 site investigation in the South Site, although it was not analysed in 2006, the concentration of Trichloroethene was below the limit of detection in the three groundwater analysis from 2019.
- 4.4.17 It is expected that concentrations of contaminants observed have decreased to below detection limits following dilution and degradation processes since the first SPMP. This also demonstrates adequate Environmental Management Systems have been implemented for those activities handling the contaminants of concerns analysed.

4.5 Statement of Site Condition

- 4.5.1 Decommissioning of all plant and pipework where necessary, has been completed in accordance with the Site Closure Plan 2006 and the pollution risk has been removed.
- 4.5.2 This Site Condition Report and investigations referred to herein and associated historical Site Condition Reports and investigations confirm that the land has not deteriorated as a result of the activities permitted under permit BN1437IT and that the land is in a satisfactory condition to enable a partial permit surrender.

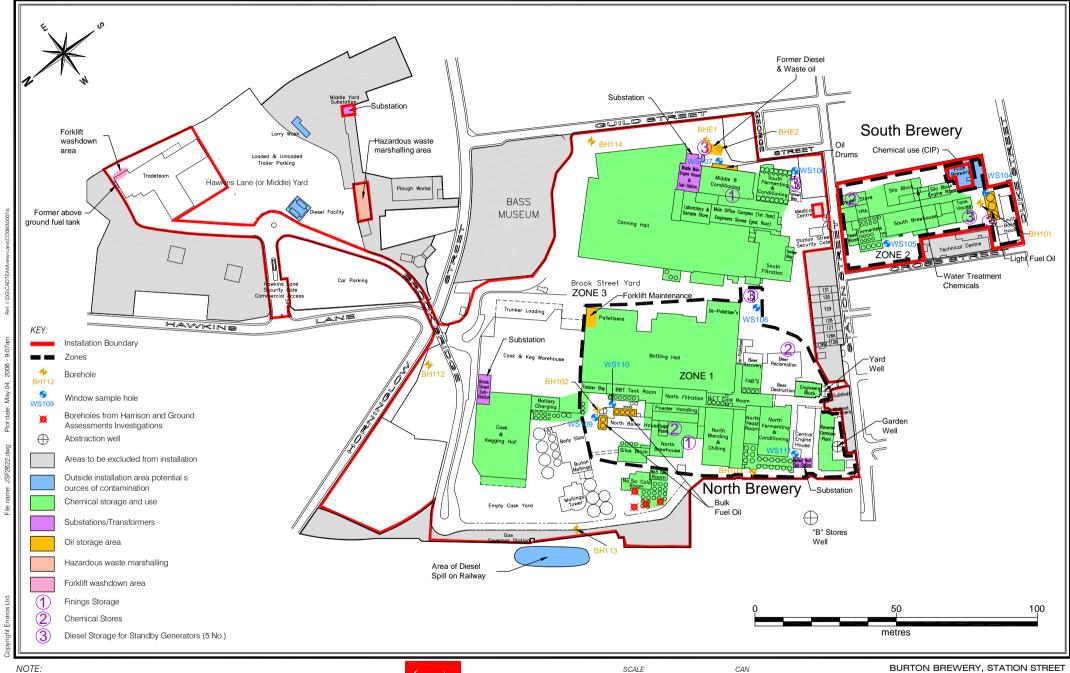
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GLOSSARY

Terms	Full Description
aOD	Above Ordnance Datum
ASR	Application Site Report
BAT	Best Available Techniques
BOD	Biological Oxygen Demand
CAR	Compliance Assessment Report
CCTV	Closed Circuit Television
CIP	Cleaning in Place
CMMS	Computerised Maintenance Management System
COD	Chemical Oxygen Demand
COMAH	Control of Major Accident Hazard Sites
CSM	Conceptual Site Model
DDEMP	Decommissioning & Demolition Environmental Management Plan
EA	Environment Agency
EHS	Environmental Health and Safety
EMS	Environmental Management System
EP	Environmental Permit
EQS	Environmental Quality Standards
ERA	Environmental Risk Assessment
HDPE	High Density Polyethylene
IBCs	Intermediate Bulk Containers
IPC	Integrated Pollution Control
IPPC	Integrated Pollution Prevention Control
LAAPC	Local Authority Air Pollution Control
LOD	Limit of Detection
OS	Ordnance Survey
PCBs	Polychlorinated Biphenyl
PLC	Programmable Logic Controllers
PPC	Pollution Prevention Control
PPM	Parts Per Million
PRA	Preliminary Risk Assessment
RO	Reverse Osmosis
SCR	Site Condition Report
SOPs	Standard Operating Procedures
SPMP	Site Protection and Monitoring Programme
TPH	Total Petroleum Hydrocarbons

Drawings Drawing 1 **Site Location Plan** Drawing 2 **500-2730 - Site Layout Plan** Drawing 3 JER1014-LAY-001 - South Site Layout Plan Drawing 4 **Site Zoning Plan** Drawing 5 432-2589 - South Site Drainage Plan



Based on drawing provided by Coors.

Title: Burton Brewery PPC Installation Plan.

(A.J. Biddle Apr. '03)

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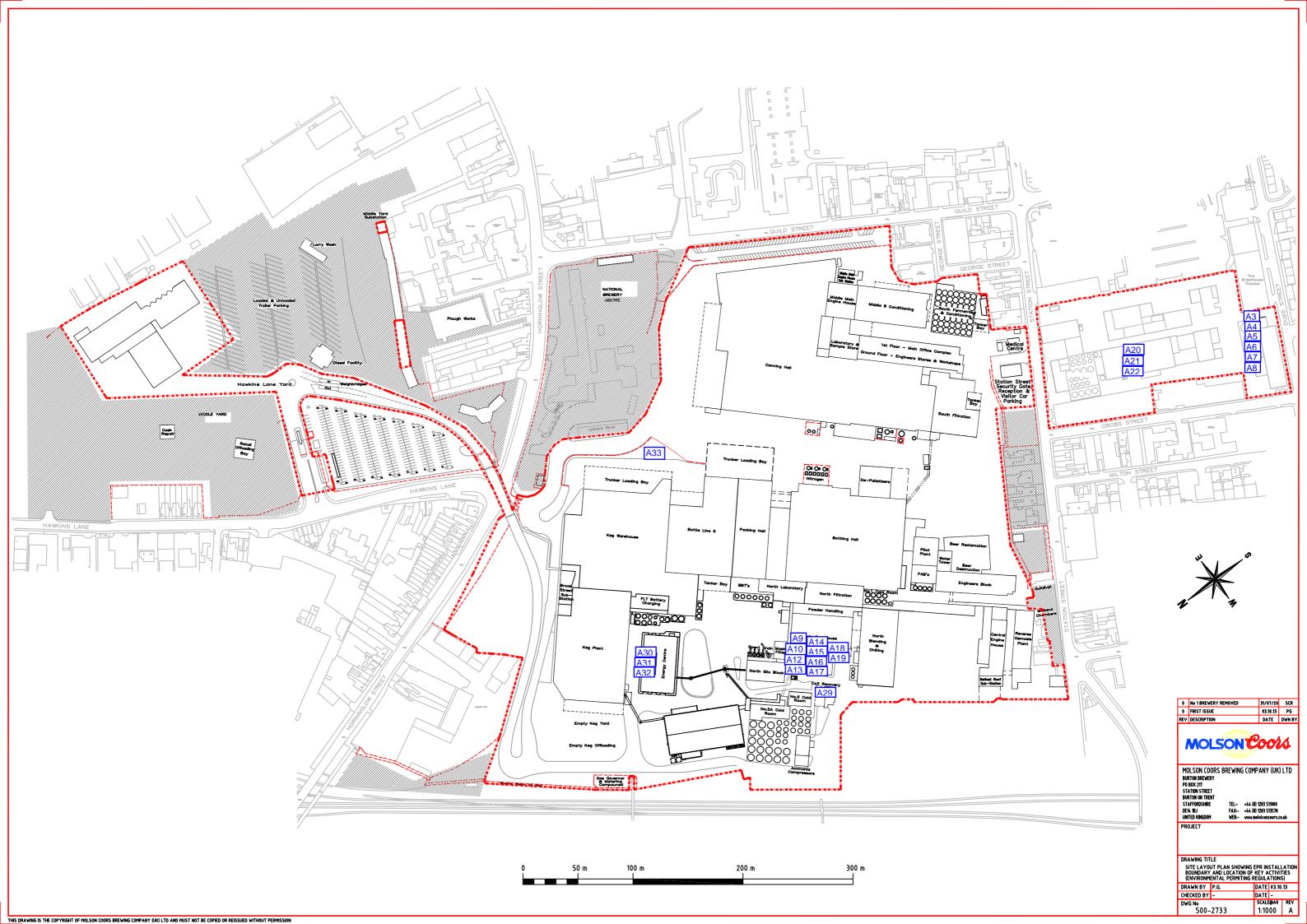
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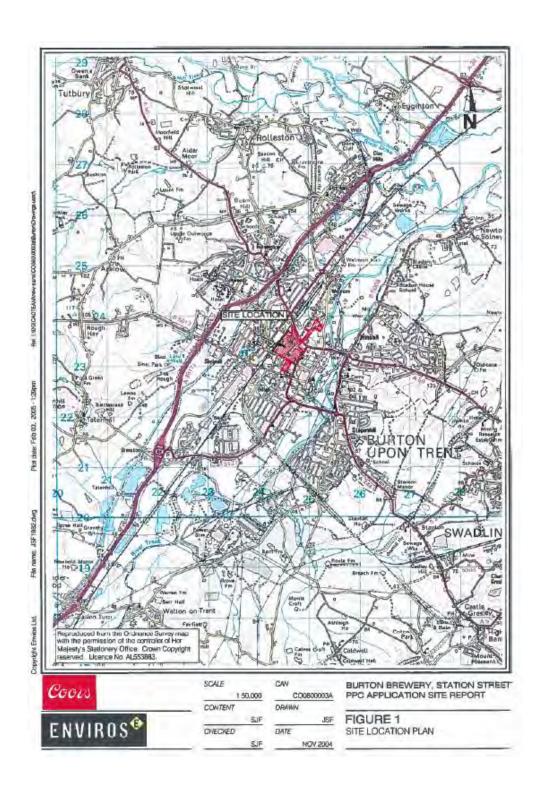
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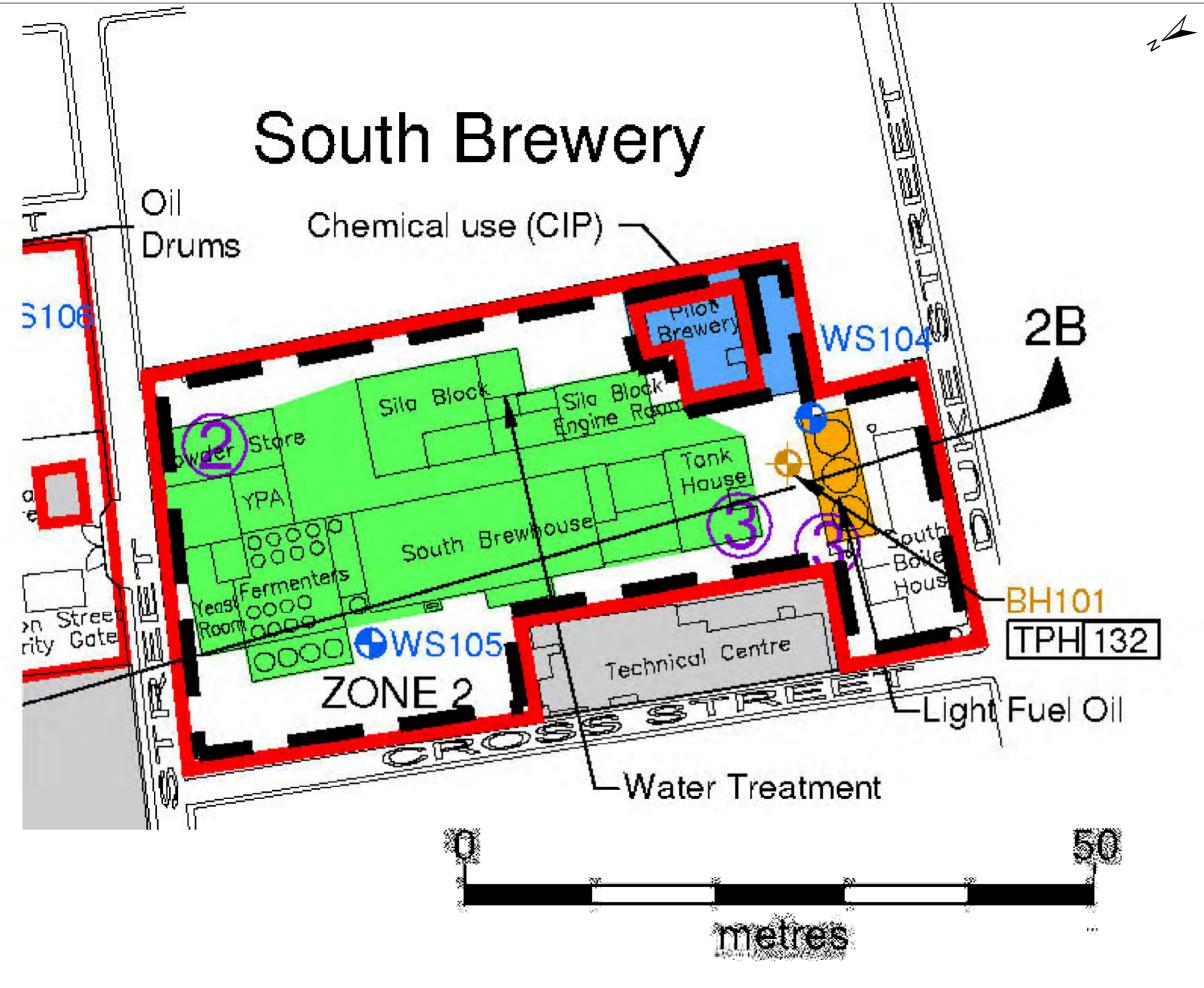
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BURTON BREWERY, STATION STREET SITE PROTECTION AND MONITORING PROGRAMME

FIGURE 4 SITE ZONING







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BURTON SOUTH

SITE LAYOUT

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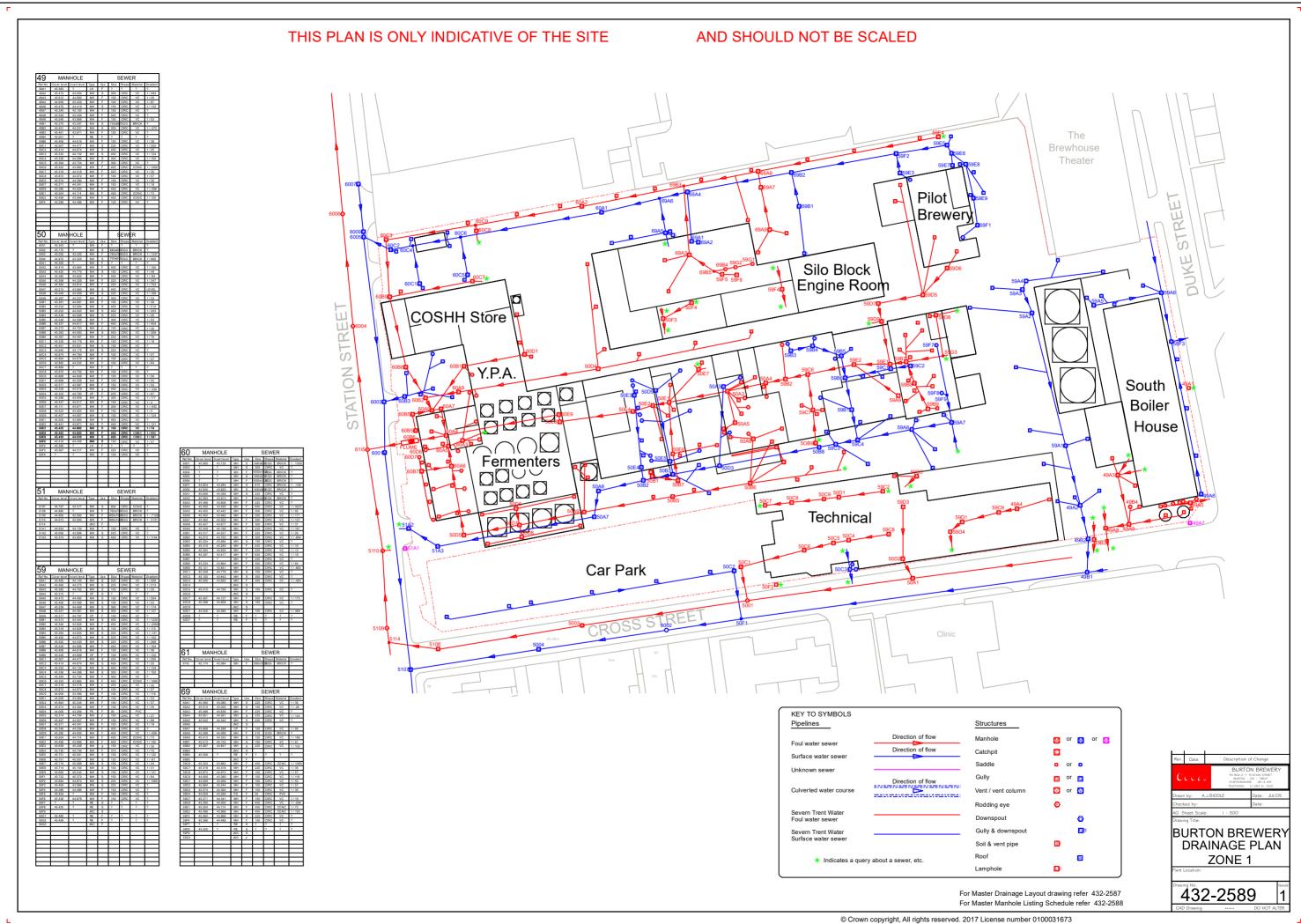
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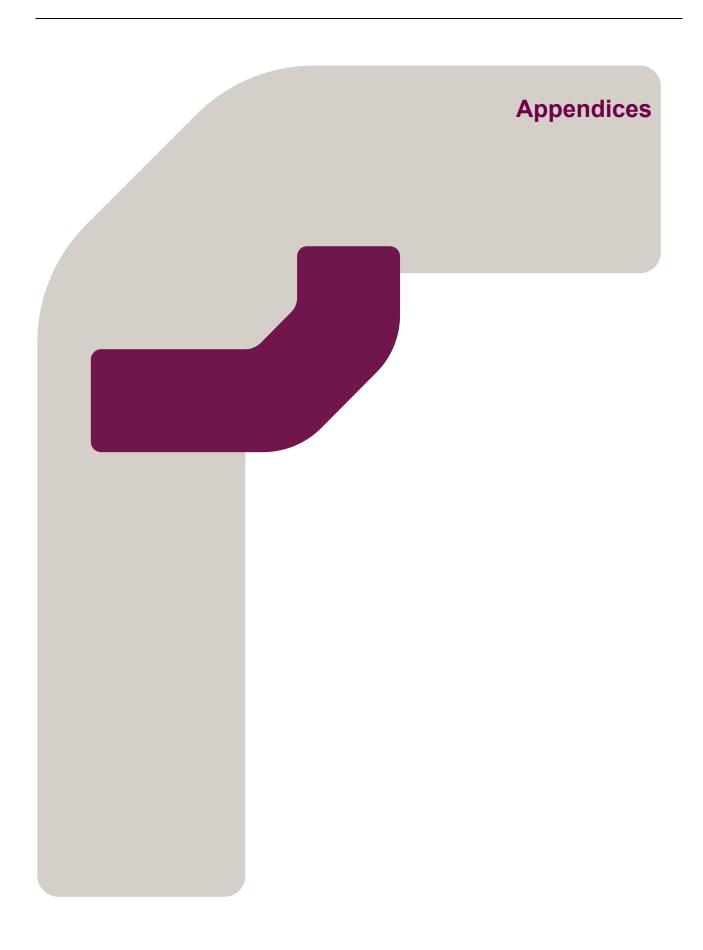
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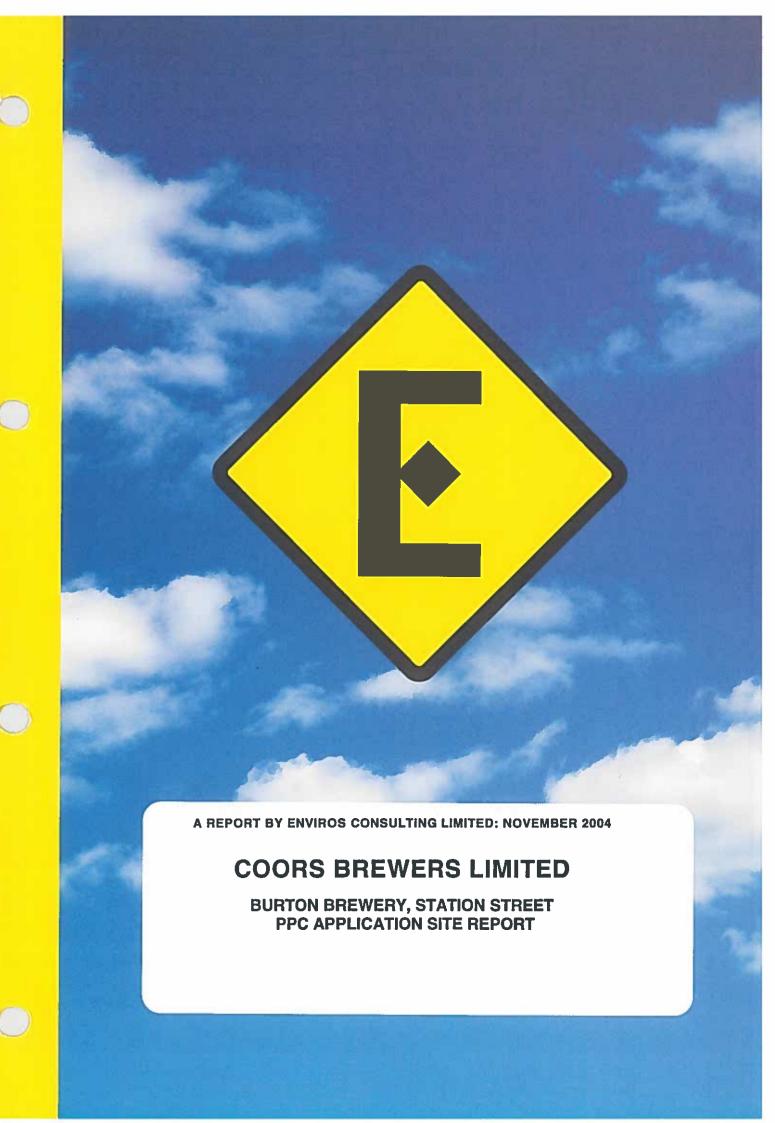
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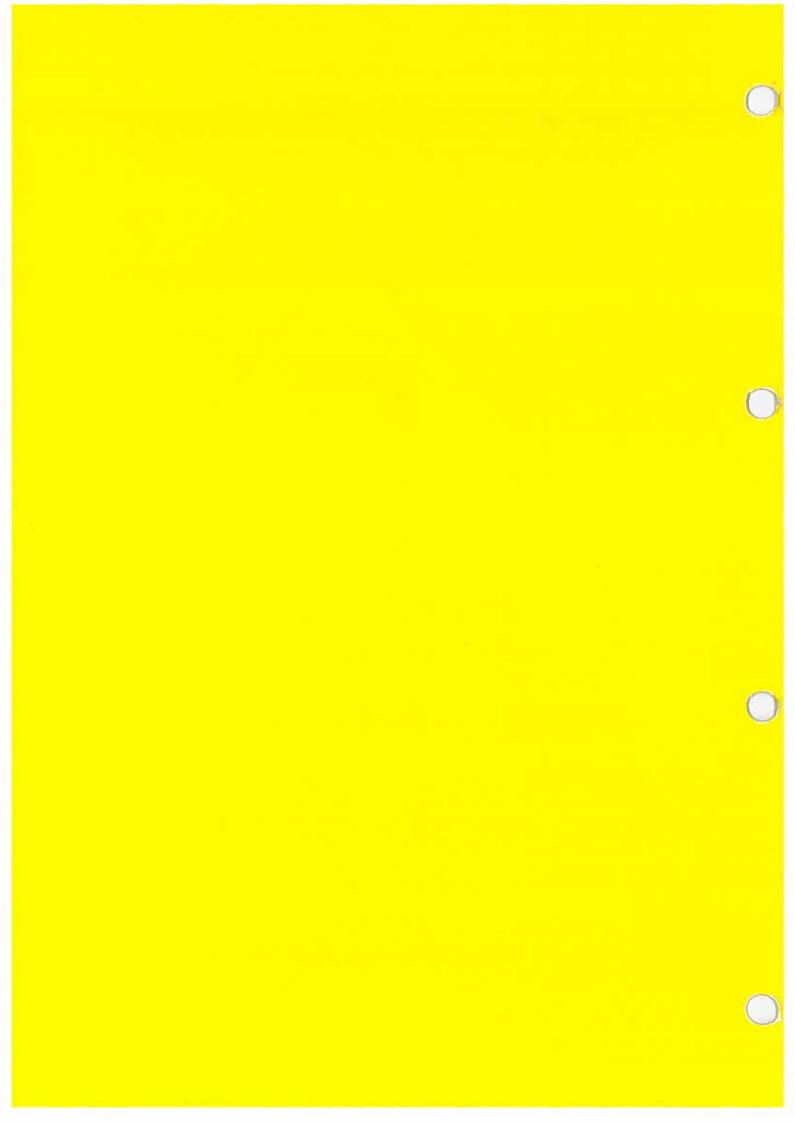




Appendix A

Enviros Consulting Limited Application Site Report (2004)







Publication title

Burton Brewery, Station Street: PPC Application Site

Report

CAN

CO0800003A

Volume number

Volume 1 of 1

Version

Final

Date

NOVEMBER 2004

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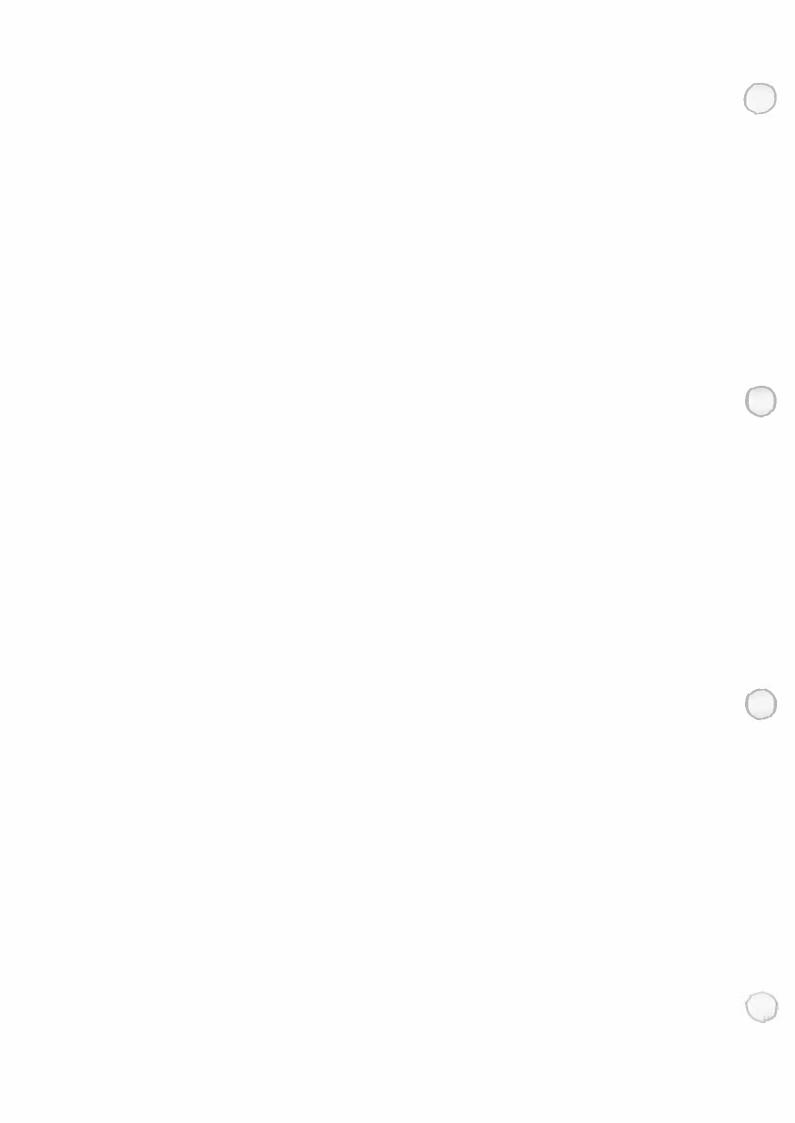
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APPENDICES

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EXECUTIVE SUMMARY

This document represents the PPC Application Site Report for Burton Brewery, Station Street as part of an application to the Environment Agency for a permit (Reference No. BN1437IT) to operate an installation under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000.

The role of the Application Site Report (ASR) is to document the baseline conditions present at the start of the permit and assess the likelihood of ground contamination occurring during the life of the permit. This assessment has involved a desk study review and site reconnaissance, and has been produced in accordance with Environment Agency Technical Guidance Note, IPPC H7 (2003). Records of the site and surrounding area have been reviewed in order to describe the condition of the site and, in particular, to identify any substance in, on or under the land that may constitute a pollution risk to the land. Pollution prevention measures have been identified and an assessment of pollution potential to land has been undertaken. This information has been used to produce a conceptual model for the site.

The main findings of the ASR are as follows:

- Activities to be operated on the site relate to brewing of beer and other alcoholic beverages and include raw materials storage, brewing, boiler plants, packaging plants and waste storage;
- ◆ The geology of the site comprises the following sequence: Made Ground, River Terrace Deposits, Mercia Mudstone, Sherwood Sandstone;
- The site is underlain by a Minor Aquifer. The groundwater level in the sand and gravels is likely to be approximately 3.5m to 4.0m below ground level. The direction of groundwater flow is likely to be heavily influenced by groundwater abstraction in the region. The Sandstone Major Aquifer at depth is protected from downward migration of contamination by the substantial thickness of overlying low permeability mudstones;
- Other receptors in the vicinity of the site include the River Trent. The land underlying the site is also a receptor for the purposes of PPC;
- Activities identified with a reasonable possibility of future pollution occurring include bulk storage of chemicals and oils, and leakage from transformer equipment;
- The site has had a long industrial history with brewing activities taking place since the 1770s. Some pollution incidents have occurred previously, which have been investigated and where necessary, remediated. As such, it is likely that the contaminants that may be released by PPC-permitted activities are already present from historical activities;
- There will be a requirement for collection of reference data as part of the Site Protection & Monitoring Programme for those zones identified with a reasonable possibility of future pollution occurring.



1. INTRODUCTION

This document supports the permit application for authorisation under the Pollution Prevention and Control (PPC) regime for Burton Brewery, Station Street site operated by Coors Brewers Ltd in Burton-upon-Trent. PPC operates under the Pollution Prevention and Control (England and Wales) Regulations 2000 (Ref. 1). These regulations have been made under the Pollution Prevention and Control (PPC) Act 1999 and implement the EC Directive 96/61 on Integrated Pollution Prevention and Control (IPPC).

1.1 PPC Regime

PPC is a regulatory system that employs an integrated approach to control the environmental impacts of certain industrial activities. It involves determining the appropriate controls for industry to protect the environment through a single permitting process. Process operators have to develop proposals to apply Best Available Techniques (BAT) to process design and operation in order to protect the environment.

The Burton Brewery site will be regulated as a Part A1 installation within the PPC regime (brewing sector). The regulator for Part A1 processes is the Environment Agency (EA) and the site will be regulated with regard to emissions to all environmental media (air, land and water).

1.2 Definition of Installation

The definition of the installation and the site boundary referred to in this report are in accordance with that described in correspondence to the EA dated October 2004. Details of the main technical units and directly associated activities are given within the main body of the PPC application. A site location plan is shown in Figure 1 of this report and the current layout of the site and the installation boundary are shown on Figure 2 of this report.

In this report "site" refers to the land within the installation boundary as defined in Section 2.2 of this report.

1.3 IPPC & Protection of Land Quality

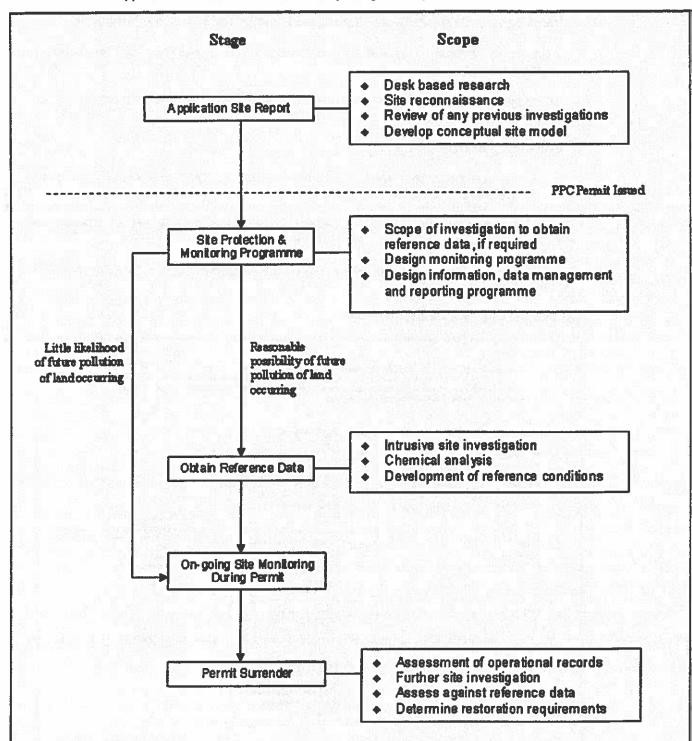
The protection of land quality forms an important part of IPPC and applies to A1 and A2 processes. The main requirements are (Ref. 2):

- Submission of a site report to accompany the permit application to document the 'initial condition' of the site;
- Inclusion of conditions in the permit setting out steps to be taken prior to and during operation of the installation;
- Preparation of a site report at permit surrender identifying any changes in the condition of the site;
- Restoration of the site to avoid any pollution risk or to return it to a satisfactory state.



The EA introduced a new policy on site reports in August 2003 (Ref. 3) which is intended to make the amount of site investigation required proportionate to the risk of future land pollution occurring. The guidance describes the requirements for the Application Site Report (ASR) and Site Protection & Monitoring Programme. This overall approach is summarised in Box 1 below.

Box 1: Approach to Protection of Land Quality using Site Reports





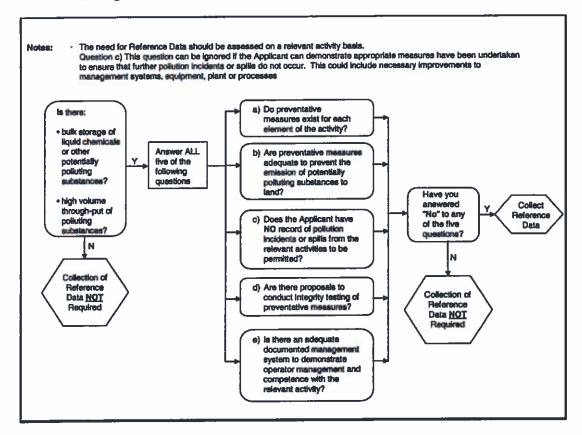
1.4 Application Site Reports

The Application Site Report describes the condition of the site on which the process is to be operated and accompanies the PPC permit application. The main objectives of the ASR are to satisfy the requirements of the PPC Regulations at time of permitting by:

- Identifying the environmental setting and land pollution history of the site;
- Identifying activities that will be conducted at the installation that may lead to land pollution;
- Identifying and assessing the preventative measures that are in place to protect the land; and
- Assessing whether there is:
 - 1 Little likelihood that land pollution or leaks to land will occur during the future life of the installation; or there is
 - 2 A reasonable possibility that there is potential for current or future land pollution of the land from the installation.

An illustration of the questions to be answered in undertaking this assessment is shown in Box 2.

Box 2: Assessing the Likelihood of Pollution





1.5 Scope of Work

This report has been prepared in accordance with the H7 guidance (Ref. 3) and the scope of work has comprised the following:

- Collection of data regarding site operations to be permitted under PPC, in particular to identify any risks of future releases to land;
- Review of the history of the site and the local area using historical Ordnance Survey (OS) maps and any information held on site;
- Assessment of the environmental sensitivity (geology, hydrogeology, hydrology and ecology) of the area through established sources such as the British Geological Survey (BGS), collection of information from the public register via a search of the Landmark Database and from consultation with the Environment Agency and other statutory bodies;
- Review of any previous site investigations completed to identify any information relevant to the ground conditions and any contamination present; and
- ◆ Completion of a site reconnaissance to identify any visual evidence of contamination and allow discussions with staff familiar with the history of the site.

A list of the data sources referred to is given in the references section in Chapter 7.



2. SITE DETAILS

2.1 Site Location

The Burton Brewery, Station Street site is located in the centre of Burton-upon-Trent (see Figure 1 of this report), centred on grid reference SK 2467 2331. The site is owned by Coors Brewers Limited and the area of the installation covers approximately 20 hectares.

2.2 Details of Installation

As stated in Section 1.2 of this report, the definition of the installation and the site boundary referred to in this report are in accordance with that agreed with the EA in October 2004. The layout of the site and principal activities within the installation are shown in Figure 2 of this report.

The site is divided into two areas, identified as North Site and South Site. This is a result of the areas previously being separately owned breweries that were integrated approximately four years ago. Because of the historical division of the site there are still effectively two parallel brewing operations on the site, comprising the main brewhouses and fermentation rooms with associated storage areas; waste and raw materials storage; and engineering workshops. Packaging of beer is undertaken within both the North and South Sites, including canning, bottling and kegging.

The Burton Maltings also forms part of the installation and is located within the North Site. Other processes/areas included within the installation are beer destruction, electrical substations and the FABs (Flavoured Alcoholic Beverages) plant. The Trade Team building in the Hawkins Lane Yard (also referred to as the Middle Yard) is also included within the installation.

There are a few activities operated by Coors on the site that are outside the installation boundary (shaded on Figure 2 of this report). These include the Coors Visitor Centre, pilot brewery, medical centre and recovered container operations. In addition, Guild Hall, Technical Centre, contracted transport facilities and office and car parking areas are excluded on the main part of the site; at the Hawkins Lane Yard activities including storage of packaging materials and finished products (cans, bottles and kegs), the diesel facility, car parking, keg storage area, plough works, lorry wash and lorry parking to the south of the lorry wash are excluded from the installation.

The majority of the site is covered with buildings and hardstanding of good quality, with a very limited amount of soft cover. The buildings on site generally comprise red brick structures that have been part of the brewery since the nineteenth century.

2.3 Surrounding Land Uses

The surrounding land uses in the vicinity of the area of the permit are a mixture of residential, retail and light industrial, typical of a town centre location as follows:

 North: Various industrial units including (amongst others) commercial cleaning, garage services, car body repairs and general engineering. The industrial activities are interspersed with residential and retail properties;



- North east: Coors Visitor Centre and the parts of the Hawkins Lane Yard that are outside of the installation;
- East: Retail park (including a cinema, fast food establishments and a public house), residential housing and various light industry including printers and dry cleaners;
- South: Predominantly residential housing with retail establishments such as a superstore becoming predominantly light industrial to the south west including a food manufacturer;
- West: The Birmingham to Derby railway with light industry and general engineering works further west, with residential housing beyond.

2.4 Activities to be Operated within the Installation

The overall operation of the site is the brewing of beer from water, malted barley, hops and yeast, followed by subsequent packaging and distribution. Production of malted barley is undertaken at the maltings. Figure 2 of this report illustrates the two main brewing areas (North Site and South Site), the Maltings and parts of the the Hawkins Lane Yard. This section of the site report focuses on permitted activities that have the potential to lead to ground contamination, since detailed information on process activities is provided in Section B2 and Part II: Technical Description of the PPC application.

A visual site survey was undertaken on 9th April 2003 with the report subsequently updated to reflect changes made on site. Observations made have been incorporated into the discussion of current site operations below and selected photographs are presented at Appendix 1 of this report. Coors operate an Environmental Management System (EMS) certified to ISO14001 which is used to record any environmental information relating to operations on the site, such as spills and other pollution incidents.

2.4.1 Raw Materials Storage

The main raw materials used within the installation are as follows:

- Water;
- Barley (for malting);
- Malted barley;
- Hops;
- Hop extract and pellets;
- Yeast;
- Lactic acid:
- Citric acid;
- Sugar;
- Finings;



- Caramel;
- Syrups and liquid sugar;
- Bulk colour additives (plant extract);
- Gypsum powder;
- Filter powders (kieselguhr);
- PGA powder (additive);
- Fruit juice and purchased alcohol (for FABs production);
- Flavourings and essences;
- Process gases (carbon dioxide, oxygen, nitrogen and chlorine).

Raw materials on site are stored at numerous locations across site generally near the point of use, either in bulk silos (barley), locally in small bulk tanks (finings and sugar) or in IBCs (caramel in the COSHH stores). Smaller quantities (25 litre containers or bags) of the additives are stored locally or in the COSHH stores. Fruit concentrate is stored in 205 litre drums within a building in the Hawkins Lane Yard. Bulk storage tanks for liquid raw materials are generally bunded with the exception of finings.

Process water is provided from a combination of deep groundwater boreholes, shallow wells and mains water supply. Boreholes are located both inside and outside of the installation boundary. Water is used for a number of processes including malting, beer production, cleaning, in the boiler houses, in evaporative condensers and small-pack pasteurisers.

Water used in the malting and brewing process is treated before use. The full water treatment processes undertaken on both the North and South Sites are described in the main part of the PPC application. As a brief summary, water on the South Site is treated in ion exchange plants after passing through an iron removal plant dependant on the source. The North Site has a reverse osmosis treatment plant. Concentrate including an antiscalent from this plant is discharged to surface water. Various additives may also be added to the water to balance pH and replace required salts.

2.4.2 Chemical Inventory

The main chemicals used within the installation are as follows:

- Sulphuric acid;
- Hydrochloric acid;
- Phosphoric acid;
- Anti-foam agent;
- Sodium sulphate (anhydrous);
- PAA (peracetic acid)



- Caustic soda (sodium hydroxide; various concentrations);
- Sodium hypochiorite (disinfectant);
- Sodium metabisulphite;
- Industrial Methylated Spirit;
- Calcium chloride:
- Magnesium sulphate;
- Potassium carbonate;
- Glycol;
- Anti-scalent (phosphonate and polymer);
- ◆ Biocide (bromide/ bromine);
- Zinc phosphate (corrosion inhibitor);
- Process additives (e.g. giberrellic acid);
- Pesticides (e.g. pirimiphos-methyl);
- Fumigants (e.g. aluminium phosphide).

A full inventory of chemicals and quantities stored on the site (divided into North and South Sites) is contained in Appendix 2 of this report. Chemicals on site are stored at numerous locations as shown on Figure 2 of this report. In general, most of the chemicals are held within bunded tanks located inside buildings where the concrete hardstanding is generally in good condition and any evidence of spills was limited. Similarly, the chemical storage located outside the buildings was observed to be very orderly within defined locations and the hardstanding was in good condition. However, the storage tanks for the following chemicals are not bunded: magnesium sulphate, calcium chloride, glycol and industrial methylated spirits.

General observations made during the site visit identified little visual evidence of ground contamination in chemical storage areas. Fill points generally had good labelling and were secure with drip trays for minor spills during filling, with the occasional exception noted (photographs 1 & 2 chemical points shown in Appendix 1 of this report).

Many of the chemicals used at the site are for CIP (cleaning in place) operations and are sorted and used across most of the process areas of the site. Pipes carrying calcium chloride used as a secondary refrigerant pass through a basement which is known to flood when groundwater levels are high.

Smaller quantities of chemicals are held in both the North and South Sites COSHH stores in a mixture of small containers and 1000 litre capacity IBCs located on drip trays (photograph 3) and locally at the point of use.



Information provided by site personnel indicates that there have been previous chemical spills at the site involving sodium hydroxide in 1999, hydrochloric acid in 2001 and phosphoric acid in 2002. Secondary containment measures failed during the phosphoric acid spill in 2002 resulting in release of in excess of 1,000 litres (estimate) of phosphoric acid to the ground. URS conducted a ground investigation in the area of the spill in January 2003 (Ref. 4) and concluded that contaminants released were not likely to pose a significant risk to the underlying aquifer or nearby abstraction wells. Specific details of the other spillages are not available.

The basement of the Engineers Block in the North Site was recently converted to a dedicated chemical storage area.

2.4.3 Oil Storage and Use

The main oils and lubricants used within the installation are as follows:

- Light fuel oil;
- ♦ Hydraulic oil;
- Waste oil;
- · Red diesel;
- Diesel for standby generators;
- Lubricating oils and greases;
- Conveyor lubricant (soap).

The light fuel oil tanks are used as back up fuel for the boilers, which normally run on natural gas. At the North Site there are six tanks at the north boiler house, four of which are of $60m^3$ capacity, with the remaining two of $126.5m^3$ capacity. Thus total capacity is $493m^3$. However, only two of these tanks are in use. At the South Site there are three $67m^3$ tanks $(200m^3$ total capacity), only one of which is used. None of the tanks used on the North or South Site are filled to capacity, as stocks are limited by company policy to seven days emergency back-up supply. This is the maximum volume of all held in the tanks at any one time. The tanks are held within deep bunds and fill points are located outside the bunds but have drip trays to contain minor spills during filling operations (photographs 4 & 5 bulk fuel oil storage tanks and fill points, shown in Appendix 1 of this report).

A storage area for smaller quantities of oils is located within the forklift maintenance workshop, which contains several drums of hydraulic oil. The open drums are held off the floor on metal racks and although there are drip trays below each drum, slight spills were evident on the concrete floor of the room. Other areas where small quantities of oils were stored (i.e. near the Middle 8 Conditioning building) were also observed to be adequately stored on drip trays or within bunds.



Until end of 2004, a waste oil tank was located in the central eastern area of the site, east of the Middle 8 Conditioning building in the South Site. The tank was approximately $2m^3$ in capacity and partially below ground, held within a bund. Staining was noted on the concrete around the tank. The tank was emptied by a licensed waste contractor on request. Beside the waste oil tank was a bunded red diesel tank of approximately $2m^3$ capacity used for fuelling forklift trucks. Staining was noted on the concrete hardstanding all around the tank (photograph 5 shown in Appendix 1 of this report). Containment measures were not in place for filling this tank or refuelling from this tank. Additionally, cracks in the concrete hardstanding around the tank were noted. A project to replace both the red diesel and waste oil tanks by the end of 2004 has been completed. A new double-skinned diesel tank has been installed next to the Canning Hall. Upgraded waste oil storage facilities have been relocated to a bunded metal shed next to the new diesel storage tank.

In the Hawkins Lane Yard there are two underground storage tanks (USTs) which have been decommissioned and filled with sand. These formerly contained diesel and later petrol, however they are located outside the installation. No other USTs are known to be present on the site.

Observations during the site visit identified limited areas where there was visual evidence of contamination as a result of the bulk oil storage, as outlined above. However, the hardstanding at the site is in relatively good condition and it is considered unlikely that the limited staining noted will have had a significant impact on the underlying soils. Spill response kits are available around the site and operators are trained in their use. Minor spills have occurred over the past few years, but in general these were all contained and cleared using spill response absorbent materials, which were subsequently disposed of as special waste by a licensed contractor. However, although beyond the installation boundary, a major diesel leak (approx. 180 m³) occurred in the Hawkins Lane Yard in 1993. This was caused by fracturing of a main between the storage tanks and a pump resulting in loss of diesel to the ground. Remediation of the spill was undertaken which involved removal of an area of approximately 2000m² of soil and the bulk storage facility itself.

Subsequent to the site visit, a number of diesel tanks were identified associated with standby generators. These are also shown on Figure 2 of this report. Three of these are currently in use and have capacities varying from 7.6 to 17m³. The remaining three have been drained. Not all of these are fully bunded and there was visual evidence of hydrocarbon staining around the Can Line 2 & 3 Generator and the No.1 Brewery generators. The former is also connected to an underground pipe which showed evidence of corrosion.

2.4.4 Malting

The malting of barley on the site (Burton Maltings) involves the following activities:

- Barley delivery;
- Barley dressing and drying;
- Steeping and germination;
- Green malt drying and dressing;
- Malt storage;



Malt distribution.

These activities are not considered likely to cause releases of substances to ground.

2.4.5 Brewing & Packaging

The brewing of beer on the site involves the following activities:

- Malt milling;
- · Water treatment and steam raising;
- Mashing and boiling of wort;
- Cooling and aeration;
- Fermentation;
- Filtration and conditioning;
- Bulk storage of product (beer) and product lines;
- Packaging in cans, bottles and kegs for distribution.

These activities are not considered likely to cause releases of substances to ground.

Bulk storage of product is a potential concern in the unlikely event of a catastrophic failure of one of the storage tanks or from any gradual leakage. However, beer is not considered to be a significant contaminant in terms of ground contamination as it is readily biodegradable. Additionally, the site is covered with hardstanding which would limit direct discharge to ground. The main concern in the event of a large product spill would be product entering the surface water drainage system and subsequently the River Trent, which could result in significant harm to the river. During the site walkover, small amounts of product were observed to be overflowing from a fermentation/conditioning vessel. However, a low bund beneath the tank was observed to contain the leakage.

2.4.6 Site Drainage

The surface water drainage system, collecting run-off from buildings and the yard areas, discharges directly to the nearby River Trent via a culvert, known locally as the Moor Mill Dam. There are no discharge consents currently held at the site relating to surface water drainage. The surface water drain covers are painted blue at the site. The discharge from the Reverse Osmosis plant is discharged to surface water under a consent. Substances present in the discharges to surface water include sodium, potassium, sulphate, boron, COD and mineral oil.

There are no soakaways present on the site, i.e. there is no direct discharge of water to ground.



The site holds three trade effluent consents as documented in Section A1.0.5 of the main application. The foul drainage from the site comprises all process and domestic water and is discharged directly to mains sewer at six main locations (plus a number of smaller ones) under consent from Severn Trent Water. All foul drainage covers etc. are painted red across the site. Substances present in the discharges to sewer include ammonium, suspended solids, sodium, potassium, phosphate, BOD, COD and mineral oil.

There are currently thirteen interceptors within the drainage system, these are regularly cleaned out by a specialist contractor and the contents disposed of appropriately. It was noted during the site visit that where there was the possibility of spills from chemical/oil fill points accidentally entering the surface water drainage system, additional protection measures such as small redirecting sills (kerbs) have been installed, or the surface water drains had been converted and diverted to foul drains.

A forklift truck washdown area is present in the north eastern corner of the Hawkins Lane Yard. Wastewater from this operation passes through an interceptor before discharge to the foul drainage system.

A site drainage plan is provided in the main application (Part III: Figures - Figure 7).

2.4.7 Waste Management

The main waste materials and co-products associated with the installation comprise general wastes (office waste, packaging materials and canteen wastes), glass bottles, wood, scrap metal (including empty beer cans), kieselguhr slurry, spent filter powder, waste oil, by-products from malting, waste yeast slurry, waste waters and waste beer from beer destruction. There is no waste disposal carried out within the installation. All aspects of waste management at the site, including retention of copies of waste transfer notes/ consignment notes, are undertaken by a contractor.

The general domestic waste produced by the site is collected in temporary storage skips prior to removal from site by a licensed waste contractor.

Scrap metal, largely as a result of maintenance and beer destruction, is collected in designated skips for recycling. This metal is collected on request by a licensed waste contractor.

Engineers' workshops on site contain several 205 litre drums for the collection of oily rags. This waste is stored in the 'Hazardous Waste Store' in the Hawkins Lane yard before being removed on request by a licensed waste contractor. Other materials stored in the Hazardous Waste Store include acids, caramel, glycol, hop extract, red diesel, caustic soda, various additives, boiler scale and lead acid batteries. This is located indoors on hardstanding with a drainage channel down the centre of the building. The area was generally well organised although evidence of minor spills of liquids was present on the floor.

Waste/ sub-standard beer is collected into bulk tanks in the beer destruction area where it is stored before removal by road tanker for subsequent use in animal feed. Storage of waste oil was described in Section 2.4.3 of this report.

Observations during the site visit identified no visual evidence of ground contamination as a result of on-site waste storage, with the exception of minor staining around some of the waste storage areas.



2.4.8 Electrical Transformers and Sub-stations

There are a total of nine electrical sub-stations present on site. These are known to have contained PCBs (polychlorinated biphenyls) in the past, but these have since been removed, with the last one being cleared within the last two years. The equipment still contains transformer oils (PCB-free) but there have been no recorded leakage problems. Annual testing is carried out to monitor oil quality including checks for moisture content.

2.5 Environmental Data and Regulatory Information

A summary of the various regulatory and other environmental data is presented below with a full copy of the source information from the Landmark Information Group presented in Appendix 3 of this report.

2.5.1 Pollution Control Authorisations

The site currently holds one IPC authorisation relating to the boiler house at the North Site. There are no other IPC authorisations within a 1km radius of the centre of the site.

There are nine Local Authority Air Pollution Control (LAAPC) authorisations of current or unknown status held within a 1km radius of the centre of the site as shown in Table 1 below. None of these relate to the installation. There are also ten revoked authorisations, one of which was authorised and subsequently found to be exempt.

Table 1 LAAPC Authorisations

Name	Description	Status	Approximate distance from site at the closest point
Unipoly Slivertown Ltd	PG6/28 Rubber processes	Unknown	<50m SW
TC Harrison Ford	PG6/34 Respraying of road vehicles	Authorised	200m E
Secret & Marriott Ltd			400m NW
Pentagon (Burton)	PG6/34 Respraying of road vehicles	Authorised	500m N
AGS Coachbuilders Ltd	PG6/34 Respraying of road vehicles	Authorised	300m NE
W Hawley & Son Ltd	PG3/4 Lead glass manufacturing processes	Authorised	300m NE
Hodgson & Hodgson Ltd	PG6/32 Adhesive coating	Authorised	500m SW
George L White Ltd	PG6/26 Animal feed compounding	Authorised	500m SW
Morgan (Timber & Boards) Ltd	PG6/3 Chemical treatment of timber and wood-based products	Authorised	450m NE



2.5.2 Waste Management Sites

There are no registered landfill sites recorded within 1km of the centre of the site. There are three registered waste transfer sites present within 1km of the centre of the site as summarised in Table 2.

Table 2 Licensed Waste Transfer Sites

Licence Holder	Max. Input	Authorised Waste	Dated
Wilshees Skip Hire	Large (equal to or greater than 75,000 and less than 250,000 tonnes/yr)	Numerous wastes accepted, generally of an inert nature as listed in Appendix 3	1st Feb 1996
Sims Metal UK Ltd	Medium (equal to or greater than 25,000 and less than 75,000 tonnes/yr)	Numerous wastes accepted as listed in Appendix 3	20 th Oct 1999
Moores (Burton On Trent) Ltd	Very large (equal to or greater than 250,000 tonnes/yr)	Dry inert commercial/industrial/household waste and scrap metal	1 st Dec 1991

2.5.3 Control of Major Accident Hazards Sites (COMAH)

There are no COMAH sites within 1km of the site.

2.5.4 Radioactive Substances

Coors Brewers Ltd currently hold an Authorisation under Section 7 of the Radioactive Substances Act 1993 for the keeping and use of radioactive materials on the site. These substances (Nickel 63 and Americium 241) are used within the canning plant level detection instrumentation to ensure that all cans are filled correctly. Monthly monitoring checks are undertaken with a mini-monitor and official checks are made by the National Radiological Protection Board on an annual basis.

There is one other registered radioactive substance within 1km of the site held by Briggs of Burton plc located approximately 100m west of the site.

2.5.5 Trade Directory Entries

There are 223 recorded trade directory entries within 1km of the centre of the site, many of these include the surrounding industrial land uses highlighted in Section 2.2 of this report. A full list of these entries is included in Appendix 3 of this report.

2.6 Previous Investigations

A number of ground investigations have previously been carried out at the site, mainly for geotechnical purposes (foundation design of new buildings), although some of the more recent investigations have also been for environmental purposes. The reports have been reviewed and the main findings of these investigations are summarised below.



2.6.1 GKN Foundations Ltd, Site Investigation at Burton-upon-Trent (1974)

A ground investigation was undertaken by GKN Foundations Limited at the installation in June/July 1974 (Ref. 4). The investigation was for geotechnical purposes for design of the proposed fermentation vessels (South Site). No samples were taken for chemical analysis.

The investigation comprised two 150mm diameter boreholes drilled to a depth of 9.7m bgl (below ground level). The boreholes were installed using cable percussive drilling techniques. The borehole location plan shows the investigation to have been undertaken in the fermenting area of the South Site. None of the boreholes were installed for gas and groundwater monitoring.

The geology encountered during the investigation indicates that Made Ground of clayey sand with some gravel was present in one borehole only, to a depth of 1.0m bgl. The natural deposits underlying the area consisted of sands and gravels of various proportions up to depths 8.4m bgl and 8.3m bgl. The bedrock comprised silty red brown Marl (Mercia Mudstone).

2.6.2 Harrison and Company, Site Investigation at Bass Brewery Burton-upon-Trent (1987)

A ground investigation was undertaken by Harrison and Company in July 1987 (Ref. 5). The investigation was primarily for geotechnical purposes for the design of the proposed canning line. The main area of investigation was located around the current canning line on the South Site.

The investigation comprised four boreholes, sunk to depths of between 9.0m bgl and 11.0m bgl. Boreholes were drilled using cable percussive drilling techniques. A number of soil and groundwater samples were collected for a limited suite of chemical analysis. None of the boreholes were installed for gas or groundwater monitoring.

The results from the investigation indicated that the upper horizon comprises Made Ground of brick rubble and sandy or silty clay to depths ranging between 0.95mbgl and 2.00mbgl. The natural deposits underlying the fill consisted of a sands and gravels, with local lenses of clay. The sands and gravels were proved to depths of between 7.80mbgl and 9.30mbgl. Bedrock of Mudstone was identified beneath the sand and gravel. Groundwater was encountered as slow to moderate inflows at depths ranging from 4.50mbgl to 5.00mbgl rising to between 4.00mbl and 4.60mbgl over a short period of time.

Soil samples were subjected to chemical analysis for pH and soluble sulphate only. The results indicate generally alkaline soils with low concentrations of soluble sulphate. However, one sample (from 1.95mbgl) contained relatively high soluble sulphate and a pH of 4.9 which the investigation report suggests that this indicates the presence of free sulphuric acid within the soil. Sulphates were not identified at elevated levels within the groundwater samples taken and the pH was found to be only slightly alkaline.



2.6.3 Harrison and Company, Site Investigation at Ind Coope, Burton Brewery (1992)

This investigation comprised the drilling of two light cable percussion boreholes to provide geotechnical data for foundation design (Ref. 6). The locations of the boreholes are not known but are in the vicinity of the Cold Room No. 5 development at the North Site. The strata encountered comprised fill to 1.7 and 3.2m, respectively; River Terrace Gravels to 10.3m and 10.7m. Groundwater was encountered at depths of 4.1 and 3.9m, respectively. Soil pH was found to vary between 7.6 and 9.6 and low water soluble sulphate concentrations were recorded. No other chemical analysis was undertaken.

2.6.4 Clayton Environmental, Remediation of Diesel Oil Spill, Middle Yard (1993-4)

Clayton Environmental Consultants undertook remediation of a diesel oil spill in the Hawkins Lane Yard of the North Site during 1993/94 in an area located outside of the installation. Work involved drilling a number of boreholes and sampling of soils and groundwater along with removal of contaminated soils. Correspondence relating to the remediation validation work has been provided by Coors and reviewed (Ref. 7). The ground and groundwater was remediated to a standard acceptable to the Environment Agency, generally concentrations of hydrocarbons as fuel oil (diesel) were less than 10mg/kg (soils) and less than 10µg/l (groundwater).

2.6.5 ERM, Concrete Sampling (2002)

ERM undertook concrete sampling from the base of vehicle inspection pits in the Hawkins Lane Yard in order to assess the quality of the concrete prior to construction works (Ref. 8). The investigation demonstrated that the concrete beneath the tank area was of a good quality and that oils had not penetrated the concrete to a significant degree and therefore had not penetrated into the soil beneath.

2.6.6 URS, Acid Spill Investigation (2002)

A ground investigation was undertaken by the URS Corporation Limited in December 2002 (Ref. 9). The investigation was undertaken in order to assess the potential environmental impact of a spill of phosphoric acid near the No. 1 cold room on the North Site in November 2002.

The investigation included sinking two window sample boreholes to a maximum depth of 2.80mbgl. Soil samples were collected for selected chemical analysis. Leaching tests at different pH were also undertaken. None of the boreholes were installed for gas or groundwater monitoring.

The results from the investigation indicated that the upper horizon comprises Made Ground of sand with much gravel to depths of 1.50mbgl and 1.60mbgl. The natural deposits underlying the fill consisted of sands and gravels. This investigation did not penetrate the underlying Bedrock. Groundwater was not encountered during the drilling.



Soil samples were subjected to chemical analysis for arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, total organic carbon and phosphate. The results show that in the samples analysed concentrations of metals were not above relevant soil guideline values. Leaching tests indicated that metals can leach out of the soils under low pH conditions. However, the report concluded that given the volumes of contaminants concerned there would be no significant risks likely to be posed to the underlying aquifer.

2.6.7 Harrison Environmental Consulting, North Brewhouse Extension (2003)

A limited ground investigation was undertaken by Harrison Environmental Consulting in December 2003 to support the extension of the brewhouse in the North Site (Ref. 10). This involved the excavation of two cable percussive boreholes drilled to depths of 9.6 and 15.0m bgl. Made Ground comprising clayey gravel with brick and concrete fragments was encountered to depths of 2.0 and 4.6m bgl. Coarse sandy gravel (interpreted as the First River Terrace Deposits) was encountered below the Made Ground. This was found to be underlain by clay (interpreted as the upper part of the Mercia Mudstone) at a depth of 12.0m bgl in one of the boreholes. Slow groundwater flow was encountered at a depth of 6.0m rising to 3.5m bgl. There was no visual or olfactory evidence of contamination during sampling.

Soil sampling was undertaken and chemical analysis scheduled for toxic and phytotoxic metals, total phenols, total cyanide, asbestos screen, pH, soluble sulphate, solvent extractable matter and Total Petroleum Hydrocarbons. The concentrations present were found to be below relevant guideline values except for low concentrations of hydrocarbons present (45-58 mg/kg).

One of the boreholes was backfilled whereas the other was completed with a 50mm slotted pipe with gas bung. One round of groundwater monitoring was undertaken and one sample was scheduled for a general suite of contaminants. The concentrations were below selected screening levels except for a slightly elevated concentration of extractable petroleum hydrocarbons (83 μ g/l) detected.

A further round of groundwater sampling from the installed borehole and shallow wells across the site was undertaken by Enviros in February 2004 (Ref. 12). This confirmed the slightly elevated concentration of diesel range organics found in the initial sampling. Elevated concentrations of petrol range organics and BTEX compounds (benzene, toluene, ethylbenzene and xylenes) were also found to be present. None of the samples from the shallow wells contained any petrol or diesel range organics.

2.6.8 Ground Assessments, Site Investigation (2003)

In this investigation, two light cable percussion boreholes were drilled to provide geotechnical and environmental data for the Cold Room No. 5 development at the North Site (Ref. 11). The ground conditions encountered comprised Made Ground to a depth of 3m, comprising layers of top soil, hardcore, crushed brick and clayey sand with ash, underlain by sandy gravels to around 10.5m bgl. Below the River Terrace Gravels sandy clay/ clayey sand of the Mercia Mudstone Group were encountered. Groundwater was encountered at depths of 3.30 to 4.75m bgl within the gravels.



The chemical analysis results for the three soil samples tested indicate that concentrations of contaminants tested (i.e. toxic metals, total sulphate, solvent extractable matter, sulphide, phenols, and cyanide) were below relevant guideline values for commercial/industrial use. A high pH was recorded in one sample due to the presence of limestone chippings.

2.6.9 Harrison Environmental Consulting, Preliminary Site Investigation at the Central CT (Conditioning Tank) Block (2004)

The purpose of this investigation was to provide geotechnical and environmental data to support development of the area as a tank farm (Ref. 13). The investigation involved a desk study review and an exploratory investigation involving the drilling of six window sampling holes to depths of 0.5 to 3.0m bgl. Made Ground was encountered to depths of 1-2m bgl comprising variable proportions of clay, sand and gravel with some brick, ash and clinker. No groundwater was encountered during drilling. An ammonia odour was observed during drilling at one location.

Chemical analysis of three Made Ground samples found that the concentrations of contaminants were generally below guideline values except for some phytotoxic metals (copper and boron) and polycyclic aromatic hydrocarbons.

2.6.10 Enviros, Tank Decommissioning Investigation (2004)

An exploratory investigation was undertaken by Enviros in May 2004 to determine any requirements for remediation in connection with decommissioning of an above ground red diesel tank and underground waste oil tank located in the South Site adjacent to Guild St (Ref. 14). This involved the drilling of two cable percussive boreholes drilled to depths of 8.8 and 9.3m bgl. The Made Ground comprised granular material with brick and ash present to depths of 1.0-1.2m bgl. Underlying the Made Ground were drift deposits of sand and gravel (interpreted as the First River Terrace Deposits) 7.0 and 7.6m thick. These were underlain by the Mercia Mudstone. Groundwater strikes were encountered within the drift deposits with standing water levels of 2.0 and 2.3m bgl. There was slight visual evidence of contamination at 2.8m bgl in one borehole.

Soil sampling was undertaken and chemical analysis scheduled for extracTable petroleum hydrocarbons (EPH), volatile and semi-volatile organic compounds (VOCs and SVOCs) and total organic carbon. None of the results exceeded laboratory detection limits.

Both boreholes were installed with 50mm standpipe for groundwater monitoring. One round of groundwater monitoring was undertaken and the two groundwater samples obtained were analysed for speciated Total Petroleum Hydrocarbons (TPH), sulphate, VOCs, SVOCs, pH, chloride, ammoniacal nitrogen, BOD and COD. The concentrations of TPH were found to be 52 and 172 μ g/l, exceeding the Drinking Water Standard (DWS) but below the Dutch Intervention Value for mineral oil. The speciated TPH indicated the oil present to be associated with diesel and lubricating oils with no petrol range fractions (e.g. BTEX) present. Sulphate was also found to be elevated above the DWS as was the concentration of trichloroethene (48 μ g/l) in one borehole. The results confirmed the minor groundwater contamination of the site associated with historical activities.



3. SITE HISTORY

The site history has been determined through a review of historical Ordnance Survey (OS) maps provided by Landmark Information Group and from discussions with site personnel. The relevant information is summarised in the following paragraphs with copies of the historical maps provided in Appendix 3 of this report.

3.1 Local Area

The site is located within Burton-upon-Trent, traditionally known as a brewery town. Historical OS (Ordnance Survey) maps dating from 1884 show many of the buildings in the town to be associated with the brewing industry with numerous breweries, malthouses and a nearby cooperage. The Birmingham to Derby railway line also runs through the town and the Trent and Mersey Canal to the north west of the site. The town has gradually developed with the expansion of residential and retail establishments in the town centre area located around the brewery.

3.2 Site Development

It is believed that brewing began at the site in the 1770s. The earliest historical OS map of 1884 shows the brewery to be present on the site with a number of malthouses also present. An extensive system of rail tracks is shown linking buildings across the site and the main rail tracks to the north west of the site. On the 1923 map the Special Waste Marshalling area is labelled as an engine shed.

Two large malthouses present in the centre of the site and the malthouses shown in the north west of the site are no longer shown on the 1968 map. The malthouse associated with the South Site is also no longer present by this time.

The OS map of 1973 shows some changes in the layout of the site, particularly at the North Site, where there are extensions to the buildings on site, presumably for packaging operations. The other main change in the site layout on the 1973 map is the removal of the on-site railway lines. The two breweries on the site integrated approximately four years ago. The latest OS map, dated 2000, shows the site in its current layout.

3.3 Historical Site Processes

Previous processes and activities are summarised in this section for both the area of the installation and surrounding areas.

3.3.1 Area of PPC Installation

Processes operated within the brewery have not changed substantially since commencement of operations. Although the process has become more automated, the main process has not changed and still takes place within the original brewhouse buildings and maltings. However, the site has expanded over the years with developments for new product ranges, notably FABs. In addition, new draught packaging and canning plants have been constructed at the site to enable expansion of the distribution side of the business.



Previous processes and activities operated within the area of the installation include the following:

- The boilers on site were formerly coal-fired and it is likely that there would have been coal storage areas on site;
- The current 'Trade Team' building was formerly a garage for servicing vehicles. On the north eastern corner of this building an empty brick bund is present which is thought to have contained an above ground fuel tank decommissioned in 1996. The garage also has two service pits within the building, these were previously investigated as described in Section 2.5 of this report;
- Also in Hawkins Lane Yard, the building currently used as a marshalling area for hazardous waste was formerly an engine shed for when the site areas were linked by a network of railway tracks.

3.3.2 Other Areas Owned by Coors

There are a number of other areas owned by Coors which are not included as part of the installation, these include – the Coors Visitor Centre (formerly the Museum of Brewing) in the central eastern part of the site, the pilot brewery and Technical Centre on the South Site and the engineers block at the southern end of the North Site. In addition, the majority of the activities in the Hawkins Lane Yard including keg storage for repair, the lorry wash, sub-station and diesel facility are located outside of the installation. The original diesel facility in the Hawkins Lane Yard was formerly situated to the east of its current location. As described in Section 2.5 of this report; a spill at this facility resulted in removal of the facility and an area of approximately 2000m² of contaminated soil. As described in Section 2.4.3 of this report, there are also USTs located in the Hawkins Lane Yard outside the installation that have been decommissioned and in-filled with sand.

3.3.3 Neighbouring Sites

The adjacent land surrounding the Coors operation is a mixture of light industrial, retail and residential use. Reference to the Trade Directory entries and a brief examination of the surrounding land indicates a number of potentially contaminative industries including dry cleaners, beer barrel reconditioning and garages. It is possible that some of the industrial land uses surrounding the site could have had an impact on ground (particularly groundwater) quality beneath the installation area.

There are also a number of activities within the general boundary of the Coors site, but outside the installation area which have the potential to impact ground and groundwater quality beneath the installation. These include the diesel facility and the lorry wash in the Hawkins Lane Yard and the pilot brewery located in the South Site where small scale CIP operations are undertaken.



3.4 Emergency Response Records and Previous Pollution Incidents

Seven recorded pollution incidents to surface waters are listed on the Landmark database within 1 km of the centre of the site (See Appendix 3 of this report for details). These are summarised in Table 3. None refer to the installation site. There are no pollution incidents to groundwater recorded by the EA within 1km of the site.

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Table 3	FOIIULION	Incidents

Property Type	Poliutant	Incident Date	Receiving Water	Severity of Incident	On site/ distance from site
Fire Water	Miscellaneous - Other	27 th March 1999	Watercourse	Category 3 - Minor	<20m west
Food Industry	Chemicals - Alkali	19 th December 1997	Watercourse	Category 3 - Minor	south west boundary of site
Road (road traffic accident)	Oils - Petrol	18 th September 1999	Other watercourse road drains	Category 3 - Minor	400m east
Unknown	Unknown	13 th November 1995	Watercourse	Category 3 - Minor	600m east
Unknown	Organic Wastes – Animal Carcasses	4 th January 1996	Watercourse	Category 3 - Minor	500m north east
Unknown	Organic Wastes – Animal Carcasses	23 rd November 1996	Watercourse	Category 3 - Minor	800m south east
Industrial	Chemicals – acid	14 th August 1998	Watercourse	Category 3 - Minor	700m west

A procedure exists within the Environmental Management System for recording environmental incidents and an incident form is generated. Emergency response records are logged by the Security Department. Details of significant incidents were described in Chapter 2.

3.5 Potential for Historical (pre-permit) Contamination

Table 4 (overleaf) presents a summary of potential sources of contamination from historical (pre-Permit activities) in the vicinity of the site based on the information provided in Chapters 2 and 3. Specific sources identified are shown on Figure 3 of this report.



Table 4 Matrix showing potential contaminants from historical and ongoing activities within the area of the installation and adjacent sites

Potentially contaminative process	Potential contamination source	Potential contaminants	
INSTALLATION AREA			
Historical activities			
Previous buildings and services	Asbestos potentially present in building fabric or pipe lagging, disposed of to ground	Asbestos	
Former coal storage for boilers	Coal dust and ash	Coal, suiphate, suiphide, PAHs, toxic metals	
Transformers and switchgear	Leakage of transformer olls	Hydrocarbons, PCBs	
Engine sheds & railway lines	Leakage of oils	Hydrocarbons, solvents, toxic metals	
On-going activities			
Raw materials storage	Spillages of syrup concentrates, caramel, finings	Sugars - BOD, acids from oxidation	
Above ground storage of oil (storage tanks & drums)	Potential for oil leakage into the ground	Hydrocarbons	
Above ground red diesel tank and semi-below ground waste oil tank	Potential for diesel/ oil leakage into the ground	Hydrocarbons	
Chemical storage and use	Spillages of chemicals during storage, handling and use	Caustic, acid, glycol, water treatment chemicals	
Vehicle/forklift truck washdown area (Hawkins Lane Yard)	Leaks to ground	Hydrocarbons, surfactants	
Product (beer) storage vessels and pipes carrying product	Failure of storage vessel and leaks to ground	BOD, COD	
Beer destruction plant	Failure of storage vessel and leaks to ground	BOD, COD	
Foul and effluent drainage and pipes carrying product.	Leaks from drains & pipes.	BOD, COD, acid, caustic	
Transformers and switchgear	Leakage of transformer oils	Hydrocarbons	
OTHER COORS AREAS			
Vehicle washdown area (Hawkins Lane Yard)	Leaks to ground	Hydrocarbons, surfactants	
Diesel Facility	Leaks and spills to ground	Hydrocarbons (Diesel)	
Former oil storage in Hawkins Lane Yard	Leakage from former storage areas, including underground storage tanks	Hydrocarbons	
Pilot Brewery	Leaks and spills to ground	BOD, COD, caustic & acid cleaning chemicals	
NEIGHBOURING SITES			
Nearby Industrial activities identified from site walkover and Trade Directory entries	Leaks and spills to ground	Hydrocarbons, solvents, other contaminants.	



4. ENVIRONMENTAL SETTING

This section provides an assessment of the site sensitivity in terms of the underlying geology, the groundwater resources and the hydrological context of the site.

4.1 Topography

The site lies at an elevation of approximately 45m to 50m above Ordnance Datum (aOD) and is generally level.

4.2 Geology

4.2.1 Drift

The 1:50,000 scale geological map for the region (Ref. 15) indicates that the site is underlain by drift deposits comprising the First River Terrace Deposits. The First River Terrace Deposits average 6.5m to 7.5m in thickness to the region of the brewery and comprise well stratified sand and gravel with thin clay seams. This has been confirmed by previous investigations on the site (see Section 2.6 of this report) which have identified the sand and gravel to a maximum depth of 9.30m beneath the site.

The intrusive site investigations also found up to 3m of Made Ground to be present beneath the hardstanding. The Made Ground generally comprised sand, gravel, and silt with brick fragments and ash in some places.

4.2.2 Solid

The solid geology beneath the drift deposits is the Mercia Mudstone Group. This comprises a sequence of red-brown mudstone and silty mudstone and sub-ordinate bands of sandstone and siltstone thought to be approximately 300m thick in the vicinity of the site. This was encountered at depths varying from 7-12m bgl in the previous investigations.

The Sherwood Sandstone underlies the Mercia Mudstone Group.

4.3 Hydrogeology

The Environment Agency 'Policy and Practice for the Protection of Groundwater' Severn Trent Regional Appendix (Ref. 16) indicates that the First River Terrace Deposits are classified by the Environment Agency as a minor aquifer. They are important for local supplies and in supplying baseflow to rivers.

The Mercia Mudstone Group is classified as a non-aquifer. These are formations with negligible permeability that are regarded as containing insignificant quantities of groundwater. This stratum is likely to limit downward migration of contaminants into the underlying Sherwood Sandstone.

The Sherwood Sandstone is classified as a major aquifer. These are formations which are highly permeable and may be highly productive and able to support large abstractions for public supply and other purposes.





The groundwater vulnerability map for the region (Ref. 17) confirms that the site is underlain by a minor aquifer. The soil at the site is classified as high leaching potential as it is located within an urban area. In urban areas, the worst case is assumed as soil information is based on fewer observations than elsewhere. Surface derived contamination could therefore potentially migrate to depth in a relatively short time period.

There are twenty eight locations holding groundwater abstraction licences within 1km of the centre of the site (a full list of the abstractions is provided in Appendix 3 of this report). Twenty four of these abstractions are licensed to Coors Brewers Ltd the majority of which are associated with the Burton Brewery. Some are located within the installation while others are located outside the installation boundary but are still used to supply the brewery operations via a network of underground pipes. In summary there are two sources of groundwater, the shallow First River Terrace Deposits and the deeper Sherwood Sandstone, from wells and boreholes respectively.

The site lies within a Zone 1 (Inner Protection Zone) for a number of the groundwater abstractions in the vicinity of the site. The extent of the zone is defined by a travel time of 50 days or less to the abstraction within the saturated zone.

Previous hydrogeological studies in the vicinity of the site (Ref. 18) indicate that groundwater levels in the sand and gravel beneath the site are likely to be approximately 3.5m to 4.0m below ground level. Groundwater flow directions are likely to be heavily influenced by groundwater abstraction in the area. Water from the wells and boreholes is tested annually for a full suite of chemical parameters included in the UK DWS (Drinking Water Standards). Generally water quality is fairly good. However, a number of the parameters have been identified at concentrations above the DWS; these are turbidity, iron, fluoride, ammoniacal nitrogen, chloride, magnesium and suspended solids. Trace concentrations of trichloroethene and tetrachloroethene were also previously detected in a number of abstraction boreholes with concentrations exceeding 1µg/l in the Field, B Stores and Dallow No.1 wells. Of these, only the B stores well is located within the installation boundary.

There are two current discharge consents to groundwater within 1km of the site, both of which relate to sewage effluent discharges and are located approximately 600m to the east of the site, one for a pub and one for four residential properties.

4.4 Hydrology

The nearest surface watercourse is the River Trent, located approximately 250m to the east of the site at its closest point, flowing from the south to the north. The water quality is classified by the Environment Agency as Grade C (Fairly Good) under the General Quality Assessment Scheme. The Trent and Mersey Canal is located approximately 800m to the north west of the site.



The River Trent has a history of flooding and the site lies within an indicative floodplain and a flood warning area as classified by the Environment Agency (Ref. 19). Properties in these areas are at risk from flooding although the risk varies. However, the floodplain maps do not take into account local flood defences because they are built to varying standards. A flood risk assessment has been undertaken for the site which identified that there is a risk of flooding at the site from a 1 in 100 year flood event. The site has not been flooded since the early to mid-1800s.

There are two current licensed discharge consents relating to discharge to surface waters within 1km of the centre of the site and one with unrecorded status. These are summarised in Table 5. Trade effluent consents associated with the site were covered in Section 2.3 of this report.

Table 5 Discharge Consents

Operator	Discharge Type	Distance from Site
British Rail	Sewage treatment - Final effluent	400m south west
Errington Laboratories Limited	Trade discharge - Process water	700m south west
Severn Trent Water Limited	Sewerage and surface water (unknown status)	800m south east

There are two surface water abstractions licences held within 1km of the centre of the site, located approximately 600m east and 500m north east for non-evaporative cooling and spray irrigation respectively. Both abstractions are recorded as being licensed to Coors Brewers Limited with water abstracted from the River Trent. The abstraction for non-evaporative cooling was for use on the brewery site, with water delivered via underground pipes. This abstraction has not been in use for a number of years, and the integrity of the pipe work is unknown. There are eight other surface water abstractions between 1km and 2km from the centre of the site.

There are possible pathways to the river from the site via site drainage and shallow groundwater flow.

4.5 Ecology

There are no sensitive habitats designated by English Nature, such as Sites of Special Scientific Interest, Special Protection Areas or Special Areas of Conservation, within 1km of the site.

4.6 Vulnerability of Site to Contamination

The sensitivity of each of the identified receptors in the vicinity of the site to contamination is summarised in Table 6 overleaf.



Table 6 Sensitivity of Receptors in the Vicinity of the Site

Receptor Type	Receptor(s)	Sensitivity	Reasoning
Groundwater	Minor aquifer, with major aquifer at depth	Very High	The site is directly underlain by a minor aquifer which is widely abstracted locally and is likely to provide base flow to surface waters. A major aquifer is also present beneath the site at depth, and is widely abstracted in the area, but the overlying low permeability Mudstone protects the major aquifer from the downward migration of contamination. The site is also located within a Zone I Source Protection Zone for groundwater protection.
Surface water	River Trent	Moderate	There is a watercourse, is located approximately 250m of the site and classified as fairly good quality by the EA, with possible contaminant pathways via site drainage and shallow groundwater flow.
Ecological	None	Very Low	There are no sensitive habitats designated within 1km of the site.



5. ASSESSMENT OF LAND POLLUTION POTENTIAL

5.1 Identification of Potentially Polluting Substances

A list of the major substances used, manufactured and stored within the installation (or waste by-products from the manufacturing process) is contained in Chapter 2. An assessment of their pollution potential has been made based upon their properties, toxicity and the volume stored as shown in Table 7. The Table also indicates if the substances are likely to be already present from historical activities from Table 3.

Table 7 Assessment of Pollution Potential for Substances Associated with the Installation

Substance (contaminants)	Liquid or Solid	Storage Arrange- ments	Toxicity/ Fate/ Mobility	Pollute land if released?	Potentially present from previous activities?
Malt, hops & hop additives (organic matter)	Solid	Large quantities in silos	Solid materials so mobility limited. Blodegradable.	Unlikely	×
Yeast (organic maiter)	Liquid cultures	Bulk storage tanks	Biodegradable and have low persistence in the environment. High BOD would cause severe oxygen depletion in surface waters.	Unlikely	х
Finings (organic malter)	Solid or liquid	Small bulk storage tanks	Biodegradable and have low persistence in the environment. High BOD would cause severe oxygen depletion in surface waters.	Unlikely	х
Sugar, syrups, caramel & fruit concentrates, alcohol (organic acids/ alcohols)	Viscous liquid	Small bulk storage tanks or 205l drums	Conversion to organic acids through oxidation, which are corrosive but highly biodegradable. High BOD would cause severe oxygen depletion in surface waters.	Possibly	x
Lactic and citric acids	Liquid	1000 litre IBCs	Acidic therefore corrosive to concrete. Low toxicity and high degradability. High BOD would cause severe oxygen depletion in surface waters.	Possibly	*
Anti-foam agent	Liquid	25 litre containers	Composition not known. Likely to be of low toxicity but used in large quantities.	Possibly	х
PAA (peroxyacetic acid)	Liquid	Bulk storage tank	Used as bactericide and fungicide. High environmental toxicity. In water, may react with water or metal ions to give acetic acid and hydrogen peroxide; it is a powerful oxidising agent of organic compounds. Not likely to be persistent.	Possibly	x
Caustic soda (high pH)	Liquid	Bulk storage tanks and IBCs	Corrosive effect on metal and plastic but not concrete. Mobile but mitigated by buffering capacity of soils and cation exchange capacity.	Possibly	1
Sulphuric, hydrochloric, phosphoric (low pH, chloride)	Liquid	Bulk storage tanks and !BCs	Corrosive effect on metal and concrete. Mobile but mitigated by buffering capacity of concrete and soils and cation exchange capacity.	Possibly	4
Sodium sulphate (anhydrous), gypsum, kleselguhr (fines, sulphate)	Solid	Bulk storage tanks and IBCs	Low environmental toxicity. Fines could wash into drains. Sulphate corrosive to concrete.	Unlikely	4



Substance (contaminants)	Liquid or Solid	Storage Arrange- ments	Toxicity/ Fate/ Mobility	Pollute land if released?	Potentially present from previous activities?
Other water treatment chemicals - sodium hypochlorite, anti-scalents, zinc phosphate, sodium metabisulphite, detergents, biocides (bromide)	Liquid	Bulk storage tanks and IBCs	Sodium hypochlorite and metabisulphite highly reactive therefore, short fate. Small quantities of substances present.	Unlikely	х
Potassium carbonate	Liquid	1000 litre IBCs	Comprises major ions and of low environmental toxicity.	Unlikely	х
alcium chloride,	Liquid	Bulk storage tanks	Low environmental toxicity. Chloride corrosive to concrete.	Possibly	4
Glycol	Liquid	Bulk storage tanks and IBCs	Conversion to organic acids through oxidation, which are corrosive but highly biodegradable. High BOD would cause severe oxygen depletion in surface waters.	Yes	1
Malting additives (e.g. giberrellic acid)	Liquid	5 litre containers	Small quantities used. Likely to be highly degradable and of low toxicity.	Unlikely	×
Flavouring additives	Liquid or solid	5 litre containers	Small quantities used. Likely to be highly degradable and of low toxicity.	Unlikely	×
Bulk colour	Liquid	Bulk storage tanks	Plant extract. Likely to be of low toxicity and degradable but used in large quantities.	Possibly	×
Fumigant (aluminium phosphide)	Liquid/ Gas	N/A	Aluminium phosphide used as a fumigant for infested grain in storage. Releases phosphine gas. Readily dissipated into atmosphere after fumigation complete. Only 200kg used per year. Not stored on site — fumigation carried out by specialist contractor.	Unlikely	×
Pesticide (4% irimiphos-methyl in opropanol)	Liquid	5 litre container	Only 5 litres used per year. Pesticide likely to be highly toxic. Isopropanol very soluble in water but highly degradable.	Unlikely	x
Industrial methylated spirits (hydrocarbons)	Liquid	Bulk storage tanks and IBCs	Mobile especially below water Table. Moderate degradability depending on carbon chain lengths but low toxicity.	Yes	4
Light fuel oil and diesel (hydrocarbons)	Liquid	Bulk storage tanks	Mobile especially below water Table. Moderate degradability depending on carbon chain lengths but low toxicity.	Yes	4
Hydraulic, transformer and waste oils (hydrocarbons, PAHs)	Liquid	Bulk storage tanks, drums	Mobile especially below water Table. Biodegradability and low toxicity vary according to compost ion.	Yes	1
Beer and off-spec beer	Liquid	Large bulk storage tanks	Biodegradable and of low persistence in the environment, although high BOD would cause severe oxygen depletion in surface waters.	Yes	4

Those substances identified as having pollution potential are taken forward to the next part of the assessment.



5.2 Effectiveness of Pollution Prevention Measures

Control measures to prevent ground contamination are considered in terms of primary, secondary and tertiary containment measures in place in accordance with the H7 guidance (Ref. 3). Containment measures are defined the following categories:

- Primary: A drum, vessel, pipe, bag etc. containing the substance;
- Secondary: A bund, double wall vessel or pipe, vent pipe, catch pit etc designed to retain the substance in the event of a failure of primary containment; and
- ◆ Tertiary: Additional measures provided to contain spillages (e.g. an oil interceptor in a surface water drain, concrete hardstanding for road tankers off loading to a bulk storage tank etc).

There is both bulk storage of chemicals and high volume throughput of polluting substances within the installation. As such, in accordance with the H7 guidance, an assessment is made as to whether there is little likelihood that pollution or leaks to land will occur during the life of the installation; or there is a reasonable possibility that there is potential for current or future pollution of land from the installation. Reference data is only required for the latter case.

There are procedures within the EMS and for the Security Department that demonstrate operator management and competence with the relevant activities (see Section B2.3 of the main application). There are 19 work instructions within the EMS which cover mostly specific environmental procedures e.g. fluorescent tube disposal, hazardous materials off-loading procedure etc. Security hold two sets of procedures, one for response to incidents and the other for recovery from incidents. One of the first actions in the procedure within the EMS for dealing with incidents is reporting to Security which initiates their response. Security personnel are trained in the implementation of these procedures. All staff and contractors receive environmental awareness training which specifically addresses incident reporting to Security. A desktop audit/trial was carried out in May 2002 and the deficiencies identified have been incorporated into the EMS. Training records exist for all personnel who have received environmental awareness training.

The adequacy of the pollution prevention measures (physical infrastructure and those relating to testing, inspection and maintenance) is assessed for each relevant activity associated for each of the potentially polluting substances identified above. The results of this assessment are shown in Table 8, which includes information on containment measures, records of past pollution incidents and the planned inspection and testing regime. In accordance with the H7 technical guidance, each relevant activity is classified as having either 'a little likelihood' or 'a reasonable possibility' of causing future pollution to land. Reasons for the latter are highlighted in bold in Table 8.

Further details on site surfacing and the inspection and maintenance programme for this is provided in Section B2.2.55 of the main application.



Table 8 Assessment of the Effectiveness of Pollution Prevention Measures

Potentially Polluting Substance	Relevant System	Relevant Activity	Records of Pollution	Containment Measures	Planned Testing & Inspection Regime	Likelihood of Pollution?
Sugar, syrups		Delivery	Delivery No evidence or records of spills/ leaks	Primary: Tanker Secondary: Bunding of fill points Tertiary: Hardstanding	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds	Little Likelihood
		Storage/ use	No evidence or records of splits/ leaks	Primary: Bulk storage tanks/ above ground pipes	inspected annually	Little Likelihood
				Secondary: Mainly bunded Tertiary: Concrete floor of brewhouse/ hardstanding		
Caramel	Brewhouses	Delivery/ storage/ use	No evidence or records of spills/ leaks	Primary: Bulk storage tanks Secondary: None Tertiary: Hardstanding	Visual checks as part of normal operations.	Reasonable Possibility
Fruit concentrate (FABs)/ alcohol	FABs plant	Delivery/ storage/ use	No evidence or records of spills/ leaks	Primary: Drums Secondary: Drip trays Tertiary: Hardstanding	Visual checks as part of normal operations. Procedure for inspection of drip trays being introduced.	Little Likellhood
Caustic soda	Brewhouses, other CIP systems, water treatment	Delivery	Caustic spill 1999; some minor staining	Primary: Tanker Secondary: Bunding of fill points Tertiary: Hardstanding	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds	Reasonable Possibility
	plant	Storage/ use	Caustic spill 1999; some minor staining	Primary: Bulk storage tanks/ pipes and IBCs Secondary: Bunding of tanks Tertiary: Concrete floors	inspected annually	Reasonable Possibility
Sulphuric, hydrochloric, phosphoric, acids	Brewhouses, other CIP systems, water treatment	Delivery	Loss of 1m3 phosphoric acid due to failure of secondary	Primary: Tankers Secondary: Bunding of most fill points Tertiary: Hardstanding	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds	Reasonable Possibility
	plant	Storage/ use	containment, 2002; Hydrochloric acid spill, 2001	Primary: Bulk storage tanks/ pipes and IBCs Secondary: Bunding of tanks Tertlary: Concrete floors	inspected annually	Reasonable Possibility
Citric, lactic and peracetic acids	Brewhouses	Delivery/ storage/ use	No evidence or records of spills/ leaks	Primary: IBCs Secondary: Bunds Tertiary: Hardstanding	Visual checks as part of normal operations. Annual bund inspections.	Little Likelihood
Anti-foam agent	Brewhouses	Delivery/ storage/ use	No evidence or records of spills/ leaks	Primary: Drums Secondary: Bunds Tertiary: Hardstanding	Visual checks as part of normal operations. Annual bund inspections.	Little Likelihood



Potentially Polluting Substance	Relevant System	Relevant Activity	Records of Pollution	Containment Measures	Planned Testing & Inspection Regime	Likelihood of Pollution?
Bulk colour	Brewhouses	Delivery/ storage/ use	No evidence or records of spills/ leaks	Primary: Bulk tanks Secondary: Bunds Tertiary: Hardstanding	Visual checks as part of normal operations. Annual bund inspections.	Little Likelihood
Calcium chloride	Various	Delivery	No evidence or records of spills/ leaks	Primary: Tanker Secondary: Fill-point not bunded Tertiary: Hardstanding	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds	Reasonable Possibility
		Storage	No evidence or records of spills/ leaks	Primary: Bulk storage tank and IBCs Secondary: None (not bunded) Tertlary: Concrete floors	inspected annually	Reasonable Possibility
		Use	Pipe pass through basement prone to flooding	Primary: Pipes Secondary: None Tertlary: None		Reasonable Possibility
Magnesium sulphate	Various	Delivery	No evidence or records of spills/ leaks	Primary: Tanker Secondary: None (fill- point not bunded) Tertiary: Hardstanding	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds inspected annually	Reasonable Possibility
		Storage/ Use	No evidence or records of spills/ leaks	Primary: Bulk storage tank and pipes Secondary: None (not bunded) Tertiary: Concrete floors		Reasonable Possibility
Glycol, industrial methylated spirits, potassium	Refrigeration plant & distribution systems	Delivery	No evidence or records of spills/ leaks	Primary: Tanker Secondary: None (fili- point not bunded) Tertiary: Hardstanding	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds inspected annually	Reasonable Possibility
carbonate		Storage/ use	No evidence or records of spills/ leaks	Primary: Bulk storage tank Secondary: Bunding of tank Tertiary: Hardstanding		Little Likelihood
	Boiler houses	Delivery	No evidence or records of spills/ leaks	Primary: Tanker Secondary: Drip trays for fill points Tertiary: Hardstanding	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds inspected annually	Little Likelihood
			Storage and use in boilers	No evidence or records of spills/ leaks	Primary: Bulk storage tanks/ above ground pipes Secondary: Bunding of tanks Tertiary: Hardstanding & spill kits	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds inspected annually



Potentially Polluting Substance	Relevant System	Relevant Activity	Records of Pollution	Containment Measures	Planned Testing & Inspection Regime	Likelihood of Pollution?
Red diesel tank	Yard adjacent Middle 8 conditioning building	Delivery/ storage/ use	Staining present on concrete around tank	Primary: Storage tank Secondary: Tank bunded Tertiary: Hardstanding & spill kits	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds inspected every 6 months.	Little Likelihood (once removed from site)
Diesel tanks for standby generators	5 locations across site	Delivery	Evidence of staining around Can Line 2&3 Generator and No.1 brewery generator	Primary: Tanker Secondary: None (fill- points not bunded) Tertlary: Hardstanding	Visual checks as part of normal operations. Annual bund inspections.	Reasonable Possibility
		Storage	Evidence of staining around Can Line 2&3 Generator and No.1 brewery generator	Primary: Bulk storage tanks Secondary: Not all fully bunded Tertlary: Hardstanding	Visual checks as part of normal operations. Annual bund inspections.	Reasonable Possibility
		Distribution	Corrosion of pipe at Can Line 2&3 generator and evidence of diesel spillage	Primary: Above or below ground pipes Secondary: None Tertiary: None	Visual checks as part of normal operations. Annual bund inspections.	Reasonable Possibility
Diesei, hydraulic and lubricating oils — delivery vehicles	Delivery areas across site	Delivery	No evidence or records of spills/ leaks	Primary: Vehicle fuel tanks, hydraulic lines etc. Secondary: None Tertiary: Hardstanding	Hardstanding in key areas subject to regular inspection	Little Likelihood
Waste oil tank	Yard adjacent Middle 8 conditioning building	Filling/ storage	Staining present on concrete around tank	Primary: Storage tank Secondary: Brick lined bund Tertiary: None	Visual checks as part of normal operations. Detailed inspections every 2-5 years. Bunds inspected every 6 months.	Little Likelihood (once removed from site)
Hydraulic oils and lubricants	Engineering Workshop and other oil stores	Delivery/ storage/ use	Evidence of slight spills but unlikely to have caused any impact	Primary: Drums Secondary: Drip trays Tertlary: Concrete floor & spill kits.	Visual checks as part of normal operations. Procedure for inspection of drip trays being introduced.	Little Likellhood
Wort, beer and effluent	Brewhouses, beer destruction plants	Transport	No evidence or records of spills/ leaks	Primary: Pipes Secondary: None Tertlary: None	In-line checks. Annual visual inspection & ten year thorough	Little Likelihood
)		Storage	Evidence of slight spillages into bund	Primary: Bulk storage tanks and vessels Secondary: Low bund Tertiary: Hardstanding/ effluent drains	evaluation.	Little Likelihood

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Potentially Poliuting Substance	Relevant System	Relevant Activity	Records of Pollution	Containment Measures	Planned Testing & Inspection Regime	Likelihood of Pollution?
Organic effluent (BOD, COD, sulphate, oil)	Leakage from foul and effluent drains	Effluent transport	No evidence or records of spills/ leaks	Primary: Drains & pipes Secondary: None Tertiary: None	Manual Inspection of chambers. CCTV Investigation if deteroriation suspected.	Little Likelihood
	4	No evidence or records of spills/ leaks	Primary: Concrete pad Secondary: Effluent collection in interceptor Tertiary: None	Inspected during cleaning and maintenance.	Little Likelihood	
	Effluent treatment in interceptor	No evidence or records of spills/ leaks	Primary: Interceptor Secondary: None Tertlary: None	Inspected during cleaning and maintenance.	Little Likelihood	
Transformer olls	Transformer equipment & sub-stations	Storage of transformer oils in equipment	Some evidence of stained gravel around transformer equipment at sub-stations	Primary: Transformer equipment Secondary: None Tertiary: Hardstanding and gravel	Visual inspections.	Reasonable Possibility

This assessment indicates that there is a reasonable possibility of future land pollution occurring associated with the following activities, based upon the containment measures currently in place:

- Delivery, bulk storage and use of caramel, caustic, acids, calcium chloride, magnesium sulphate, glycol and industrial methylated spirits;
- Bulk storage of light fuel oil;
- Bulk storage of diesel for standby generators; and
- ◆ Leakage associated with transformer equipment.



6. DEVELOPMENT OF CONCEPTUAL MODEL

The guiding principle of PPC with respect to land quality is to accept no further deterioration of land during the lifetime of the permit. The aim of the ASR is therefore to develop a conceptual model which identifies past and future potential sources of contamination and assesses the vulnerability of the site. The presence, nature and likelihood of adverse effects to other receptors are not primary considerations in the context of the protection of land under PPC.

6.1 Conceptual Site Model

The information presented in Chapters 2 to 5 is combined to form a Conceptual Site Model (CSM). Key elements of the CSM are summarised in Table 9 below. The CSM describes the condition of the site and is the fundamental objective of the ASR. The CSM is a descriptive representation of the site establishing the contaminant sources, pathways and receptors, assessment of pollution potential and details of the pollution prevention measures. As stated in the H7 guidance (Ref. 3), the land itself should be considered as a receptor in its own right for PPC purposes because of the requirement for no deterioration in land quality.

Table 9 Summary of Conceptual Site Model

Aspect	Details			
Geology	 Made Ground (up to 3m thick; sand, gravel, and silt with brick fragments); River Terrace Deposits (6.5-7.5m thick; sand and gravel with clay lenses); Mercia Mudstone (ca. 300m thick; mudstone with siltstone and sandstone bands); Sherwood Sandstone 			
Hydrogeology	Site immediately underlain by Minor Aquifer. Groundwater levels approximately 3.5m to 4.0m below ground level. Groundwater flow direction likely to be heavily influenced by groundwater abstraction in the region. Major Aquifer at depth protected by substantial thickness of overlying low permeability mudstones.			
Surface Water Features	Fairly good quality River Trent located 250m of the site.			
Ecological Receptors	No sensitive habitats designated within 1km from site.			
Summary of Receptors (Pathways)	 Land (spills and leaks to ground); Minor Aquifer (leaching from solls and percolation through permeable ground); Major Aquifer (local abstraction boreholes); River Trent (site drainage, shallow groundwater flow). 			
Activities Identified with Reasonable Possibility of Future Pollution Occurring	 Delivery, bulk storage and use of caramel, caustic, acids, calcium chloride, magnesium sulphate, glycol and industrial methylated spirits; Delivery, bulk storage and use of light fuel oil; Bulk storage of diesel for standby generators; Leakage associated with transformer equipment. 			
Land Pollution History & Main Pollution Incidents	 Brewing and maiting activities since 1770s; Bulk above ground and underground oil storage; Acid and caustic spillages (2002); Other contaminative industrial uses in the local area. 			
Contamination Identified in Previous Investigations	 Remediation of diesel oil spill in Middle Yard; Elevated sulphate present in soils in area of canning line; Slightly elevated concentrations of hydrocarbons and chlorinated solvents found in limited investigations in soil and shallow groundwater at both the North and South Brewhouses. 			



6.2 Zoning of Site

Zones are defined in relation to activities with the potential to cause future land pollution. Following the assessment carried out in Chapter 5 the following zones are proposed:

- Bulk caustic, acid, calcium chloride, magnesium sulphate, glycol and industrial methylated spirits storage areas;
- ◆ Bulk light fuel oil and diesel storage areas;
- Locations of transformer equipment and substations.

These are shown on Figure 2. In accordance with the H7 guidance (Ref. 3), there is a requirement to collect reference data within the Site Protection & Monitoring Programme for these zones.

6.3 Uncertainties and Assumptions in CSM

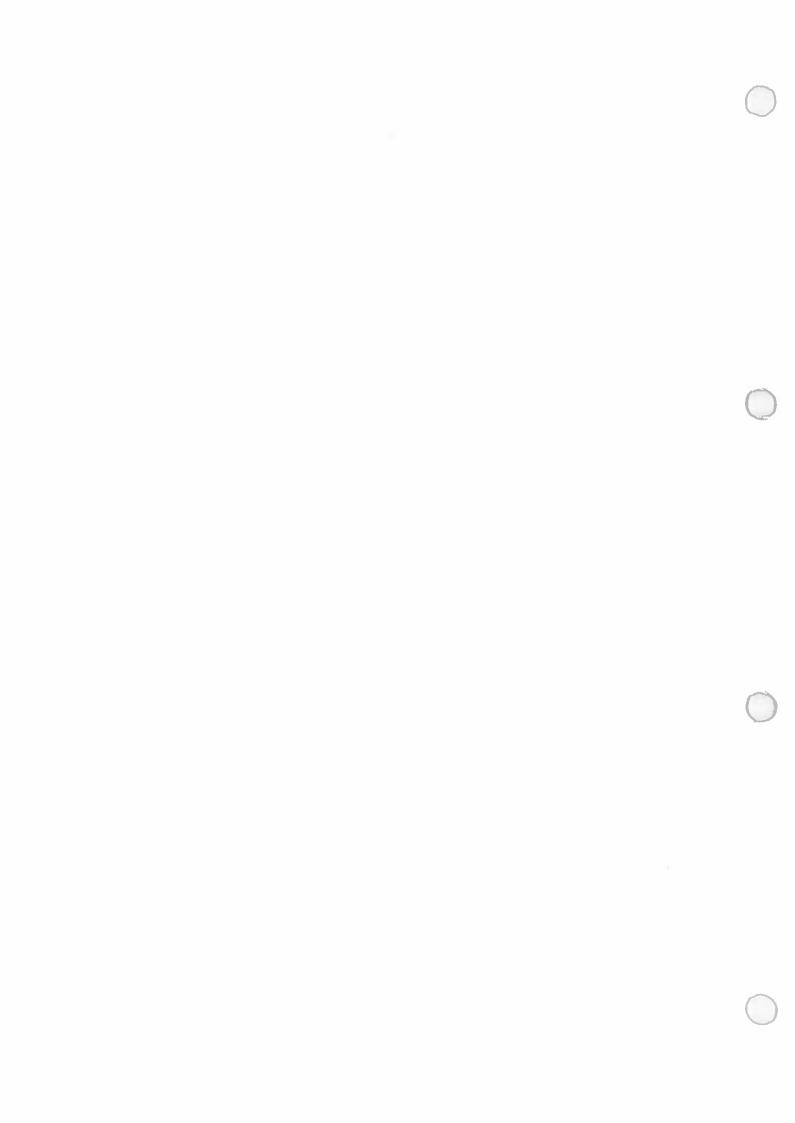
The following uncertainties and assumptions are implicit in the CSM described:

- Thickness and composition of Made Ground across the whole site is not known;
- Records of known pollution incidents have been provided but it is possible that other incidents have occurred over the long history of the site that have not been documented.



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FIGURES

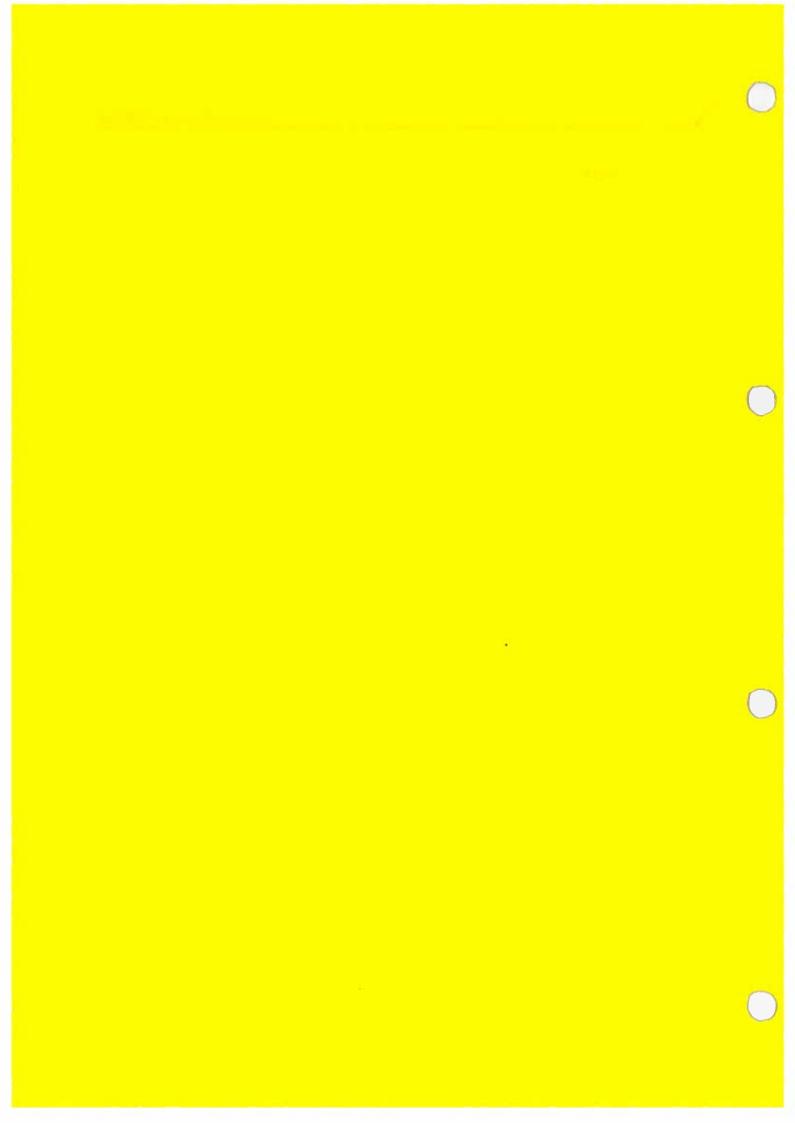
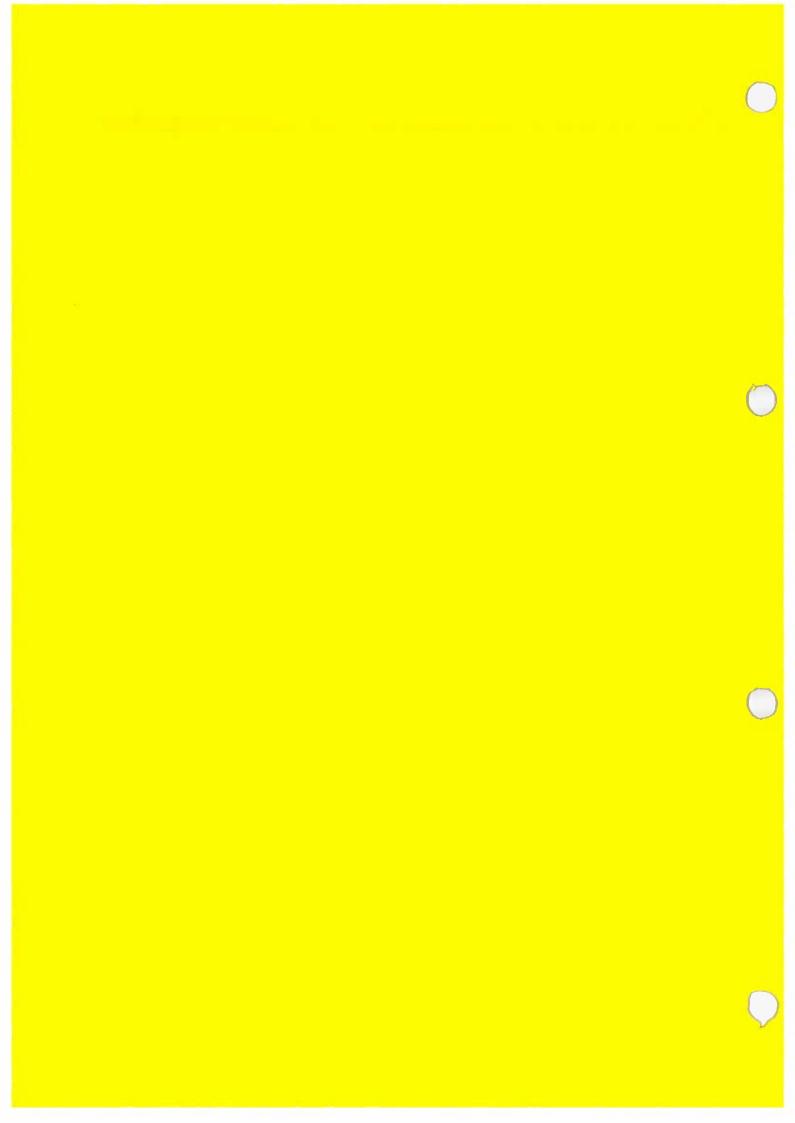
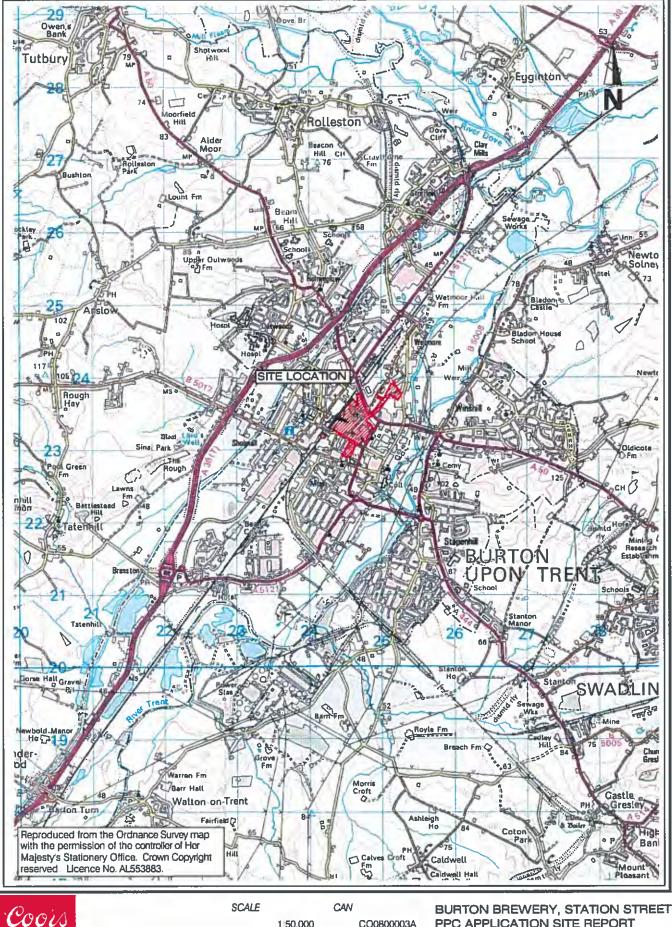




Figure 1 Site Location Plan





Coois

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Plot date: Feb 03,

File name: JSF1982.dwg

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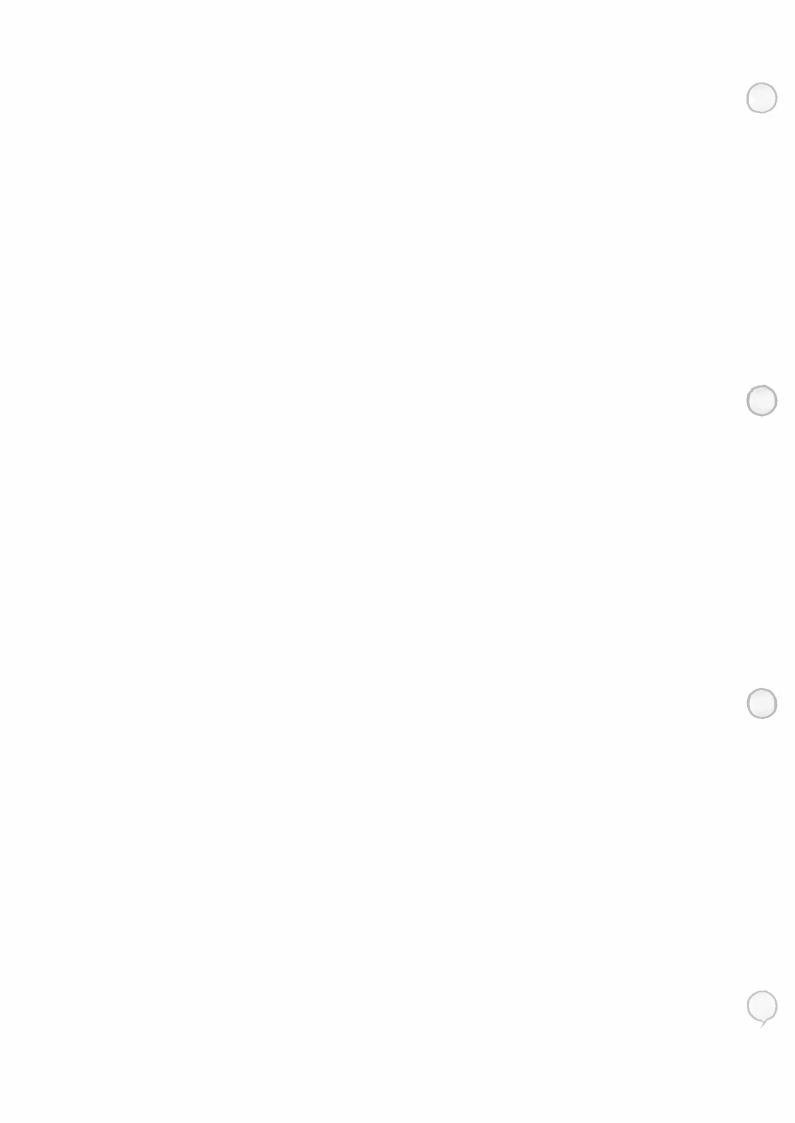
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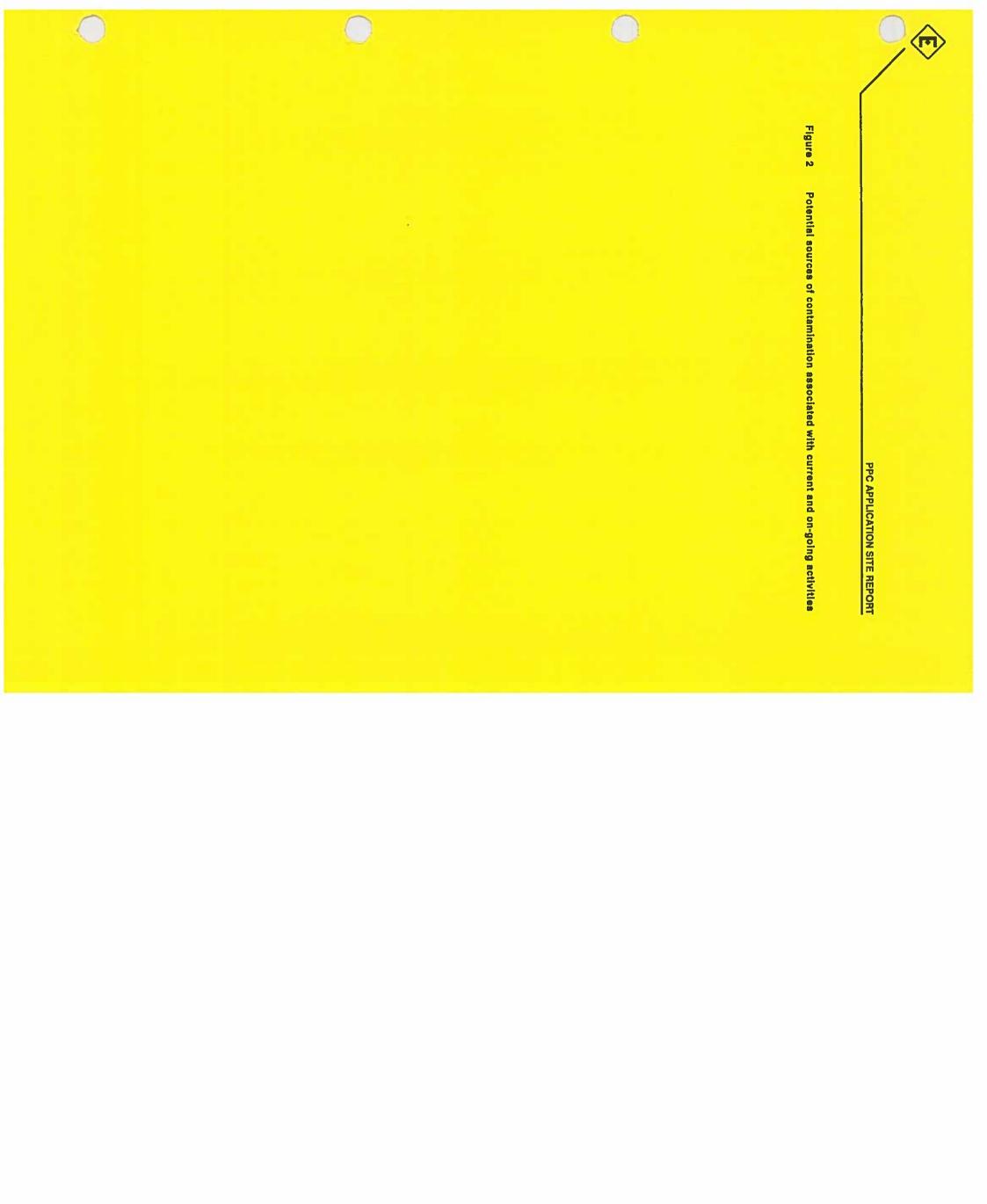
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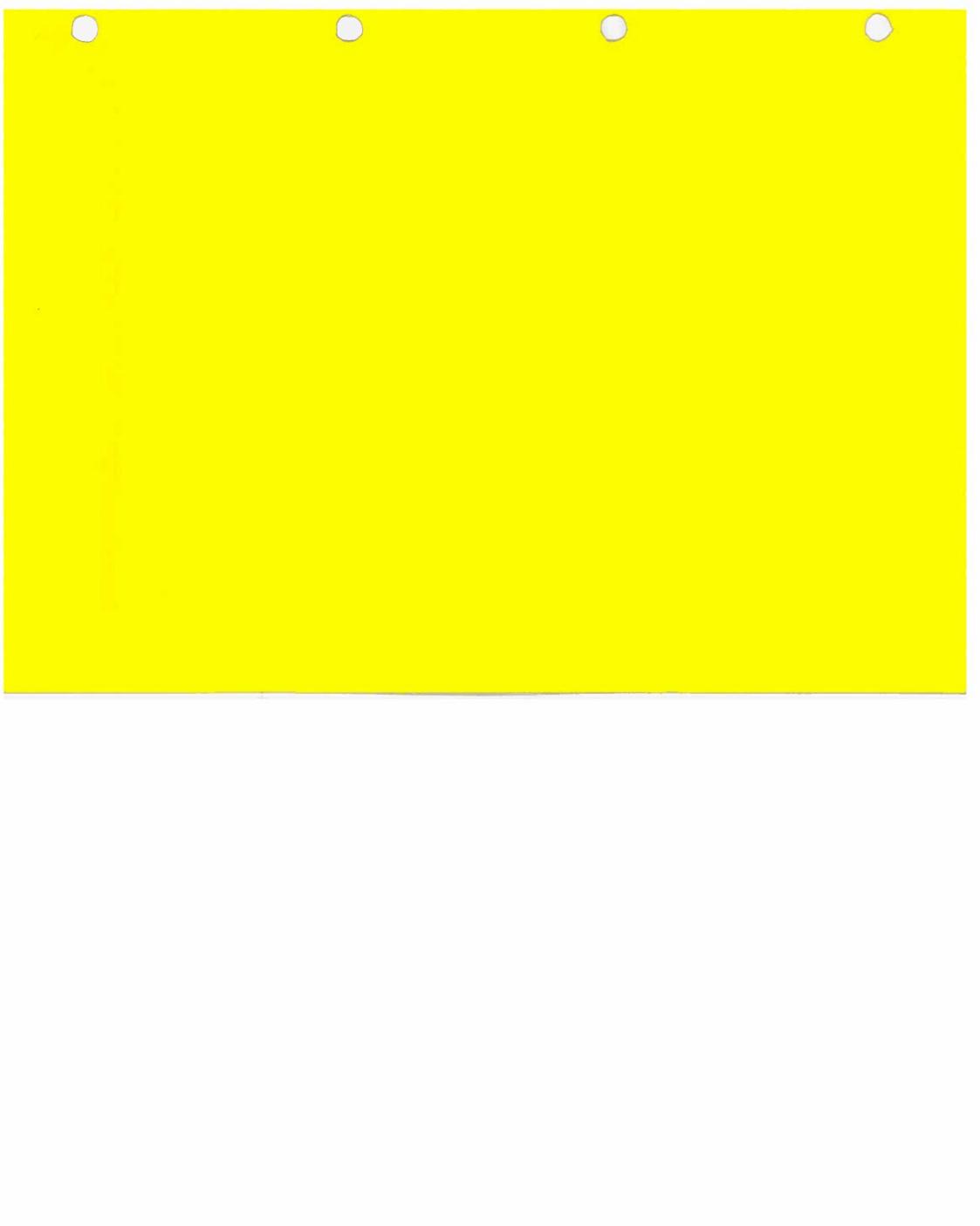
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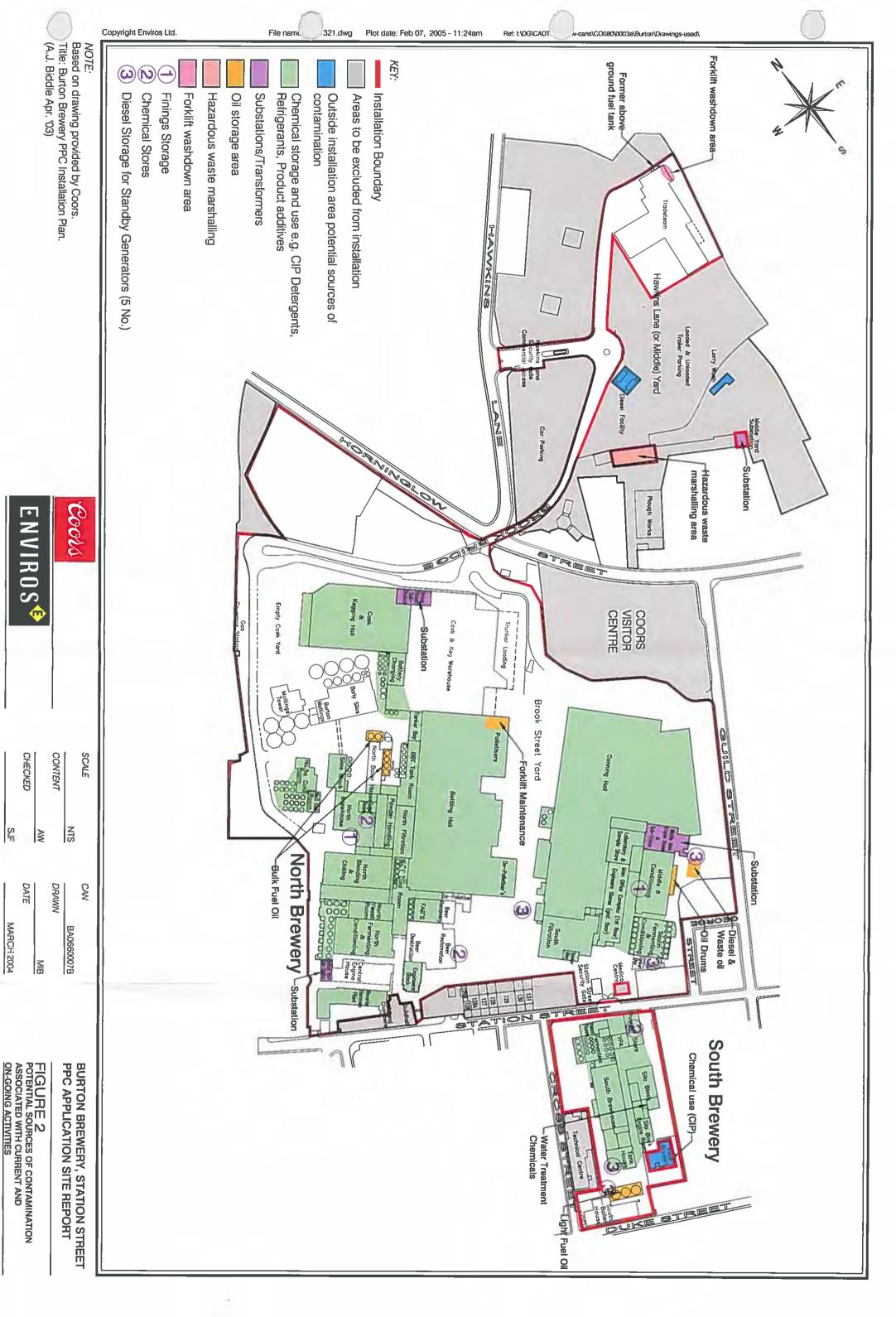
PPC APPLICATION SITE REPORT

FIGURE 1 SITE LOCATION PLAN









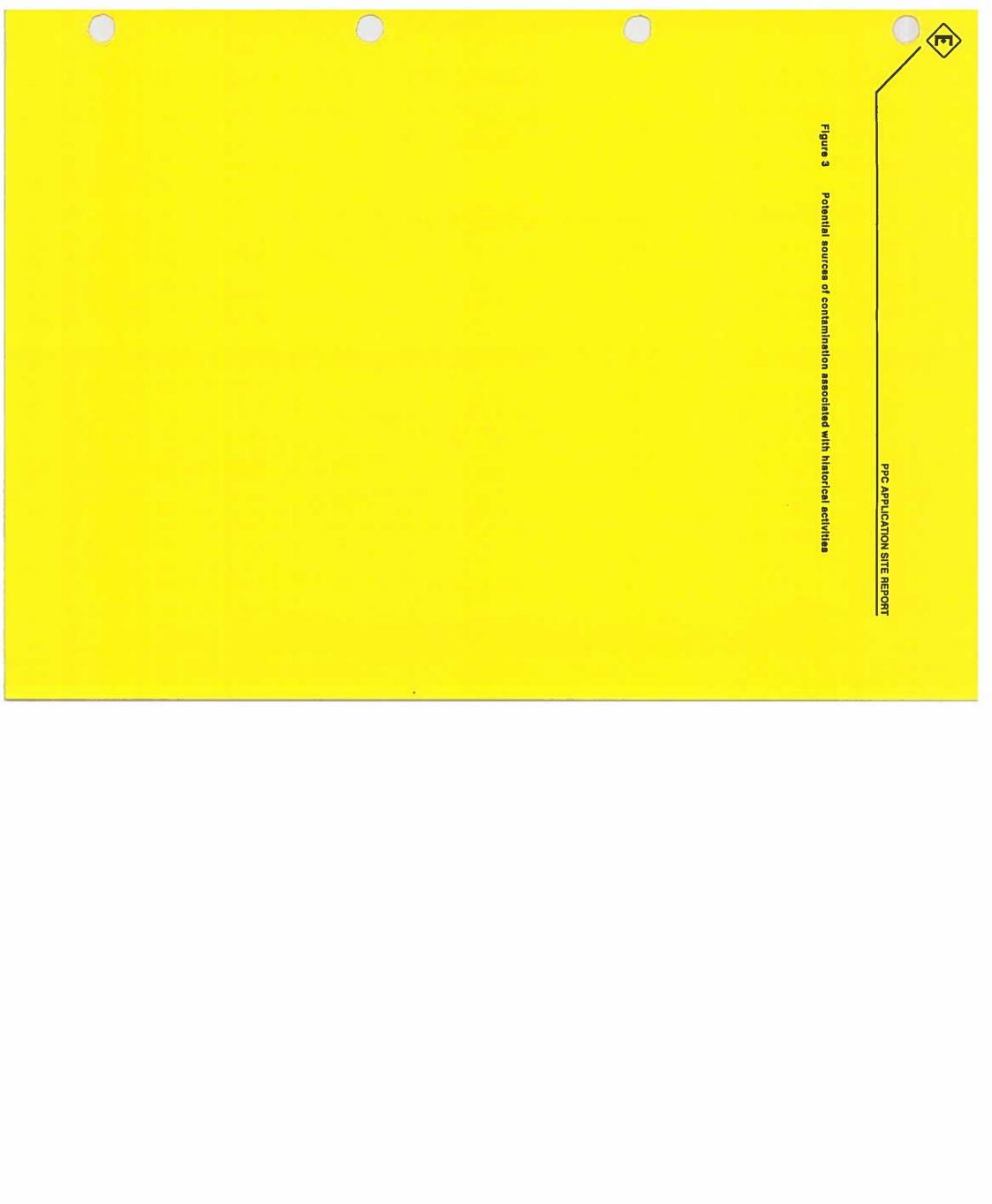
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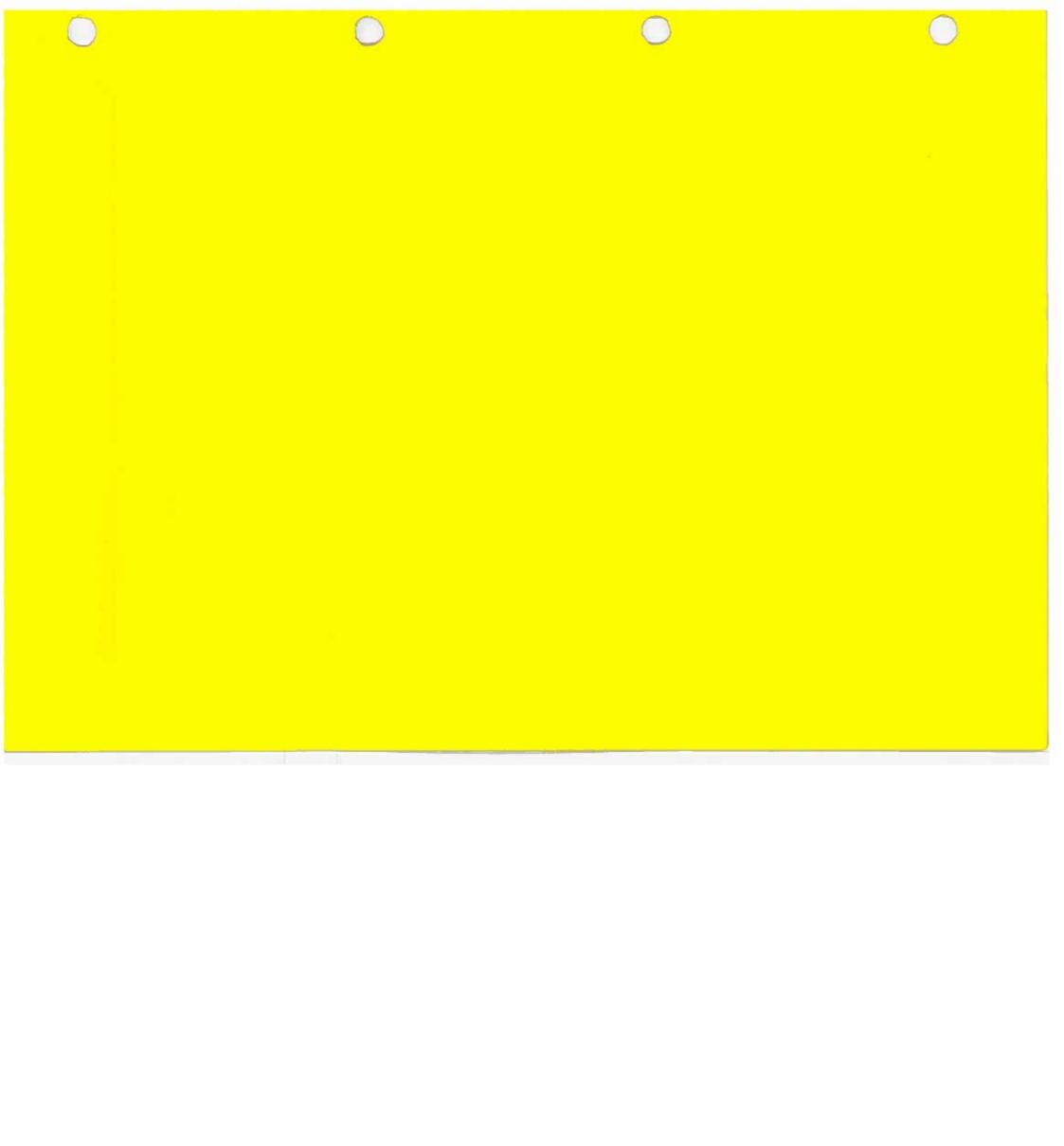
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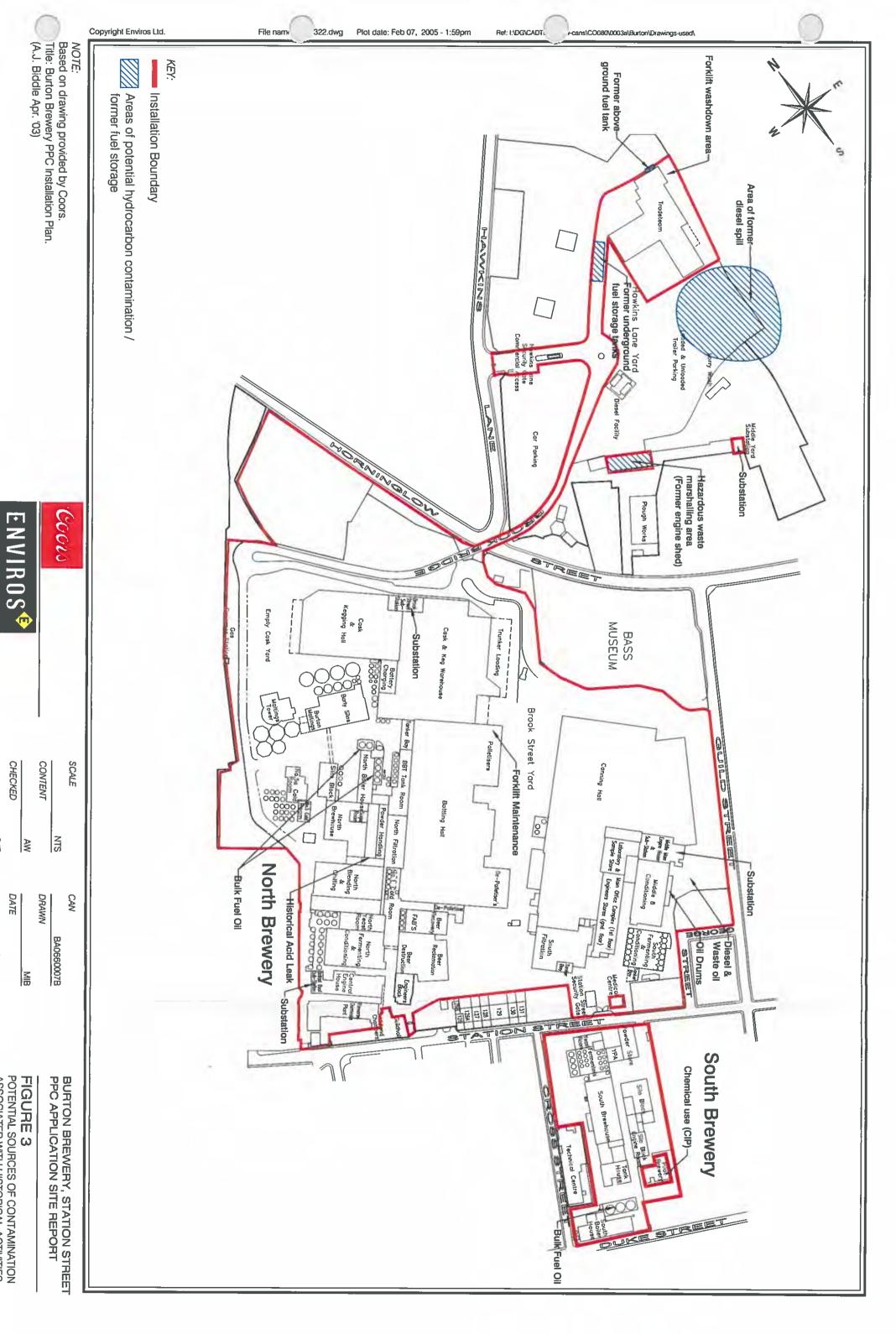
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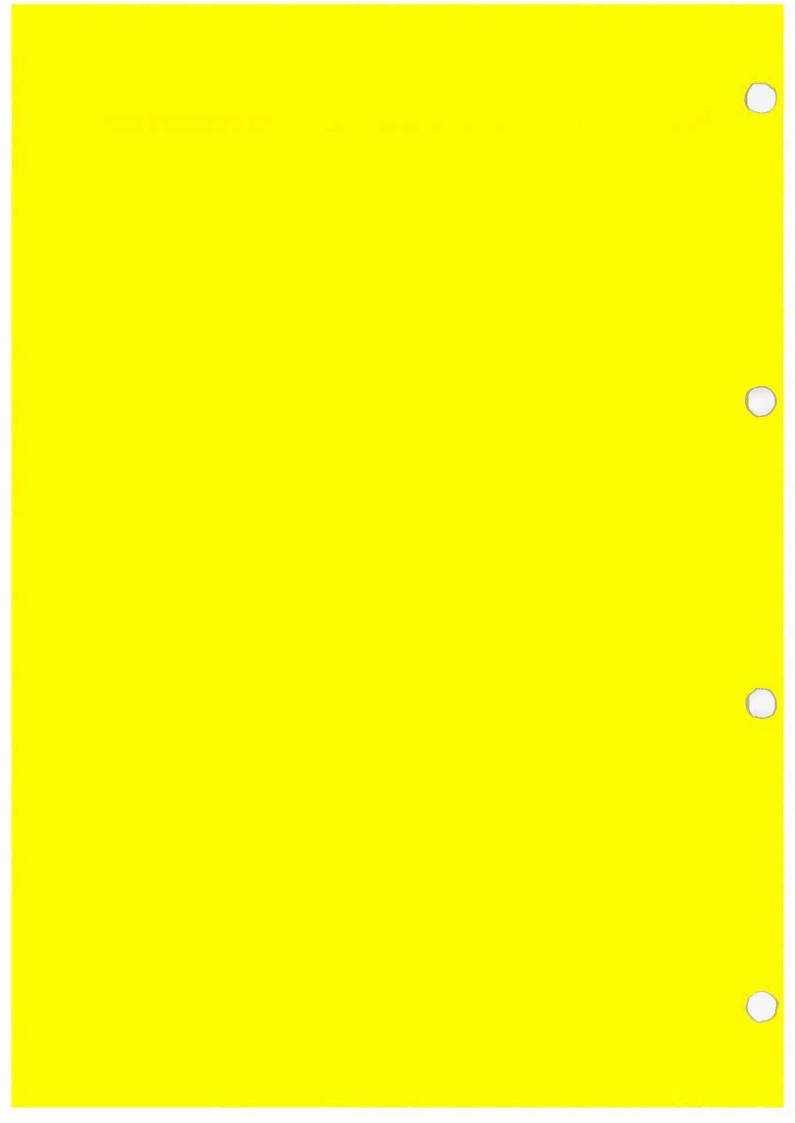
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POTENTIAL SOURCES OF CONTAMINATION ASSOCIATED WITH HISTORICAL ACTIVITIES





APPENDICES





1. PHOTOGRAPHIC RECORD

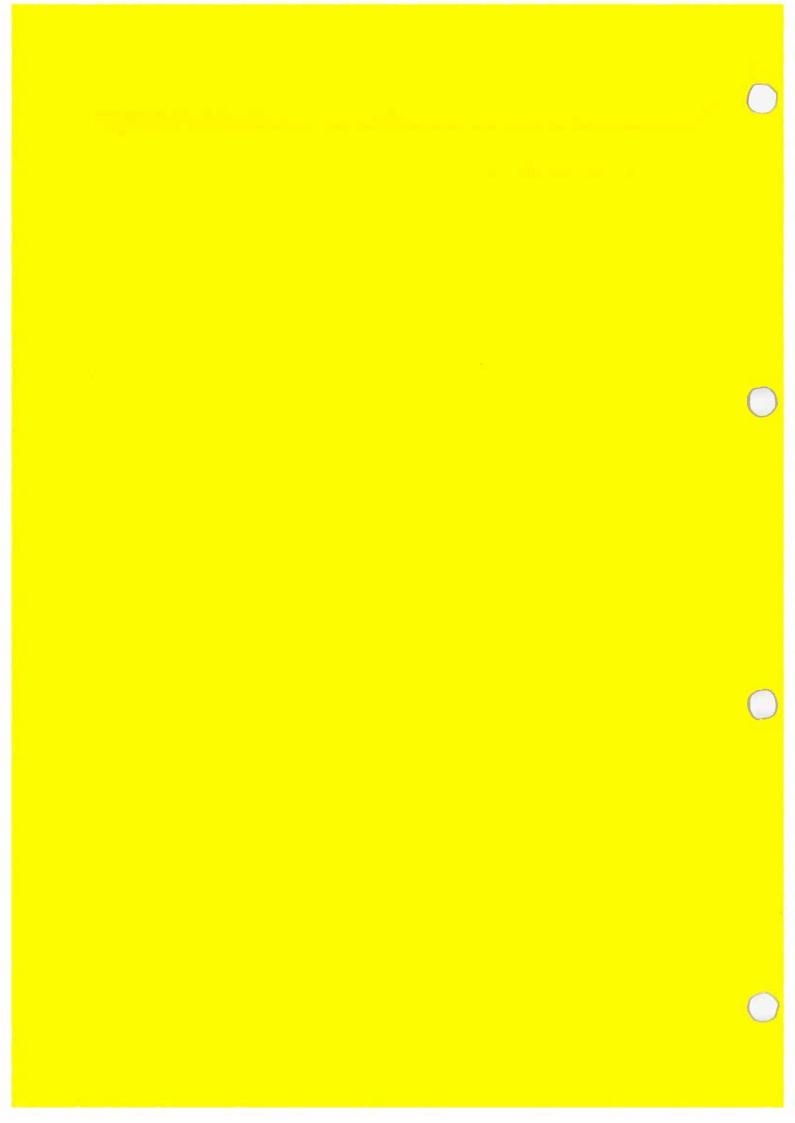


Plate 1: Chemical Fill Point with Bund



Plate 2: Chemical Fill Point without Bund and Unbunded Calcium Chloride Tanks



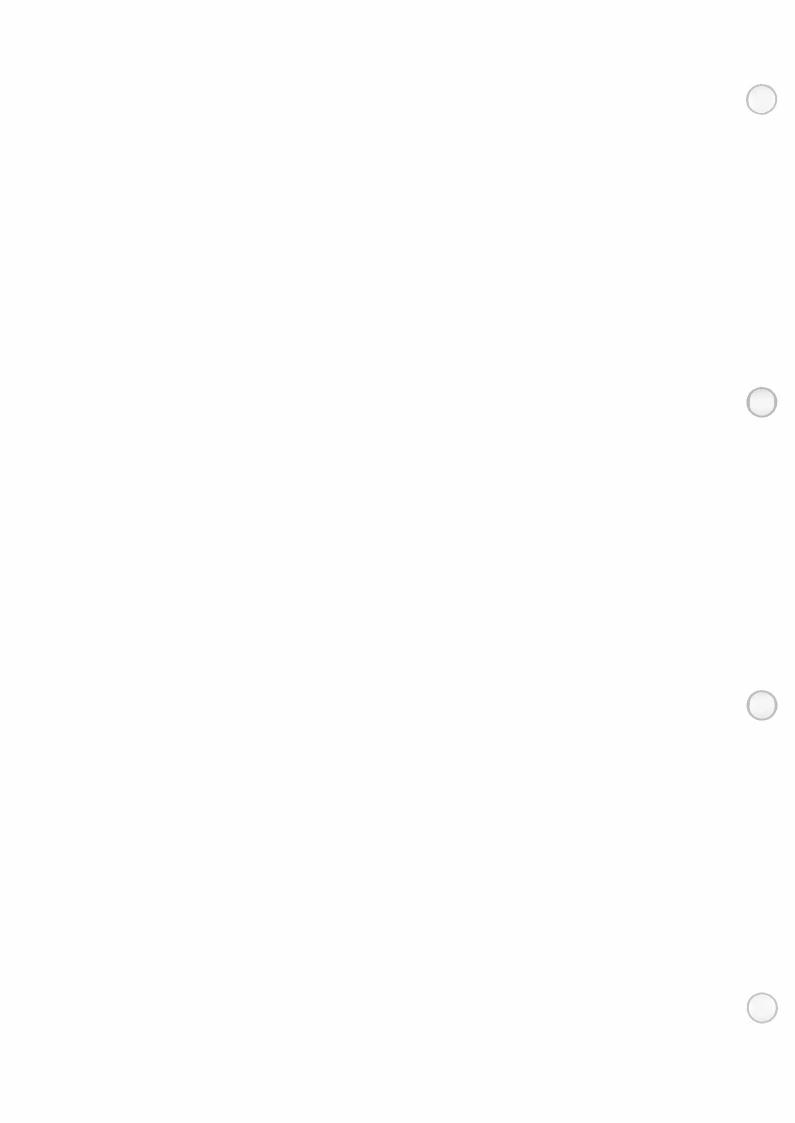


Plate 3: South Brewery COSHH Store



Plate 4: North Brewery Fuel Oil Tanks and Fill Point



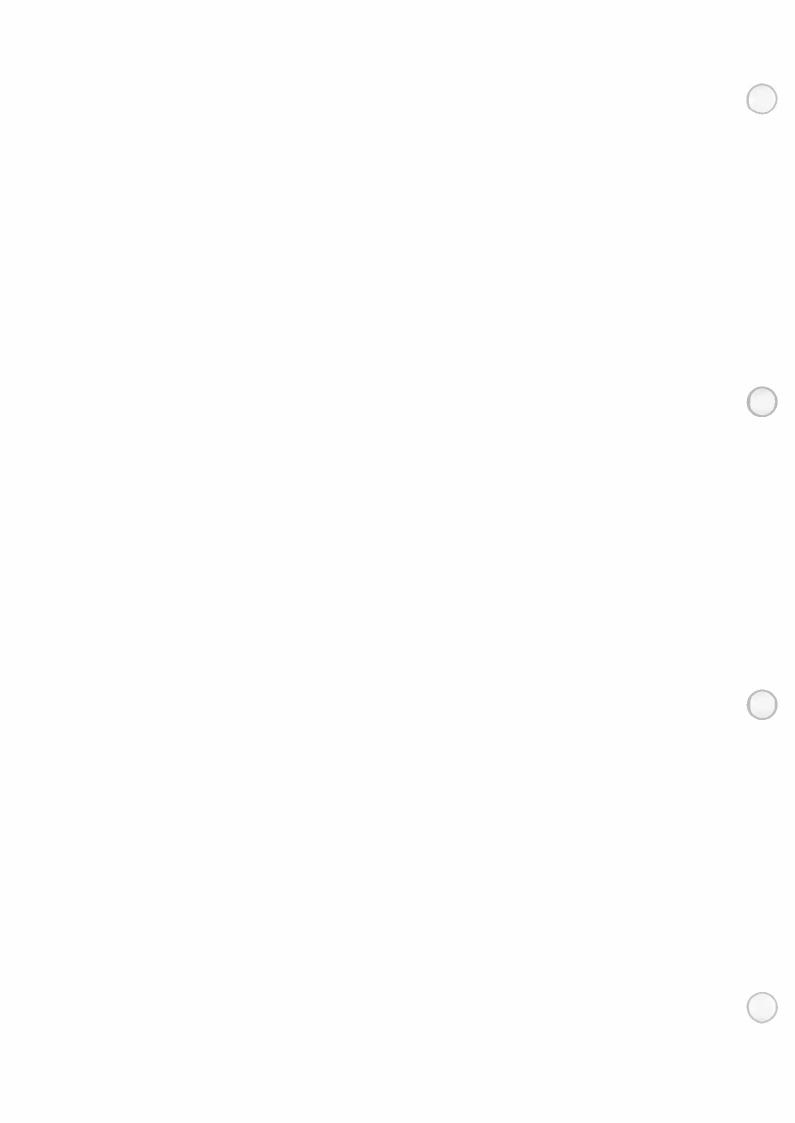


Plate 5: South Brewery Fuel Oil Tanks and Fill Point



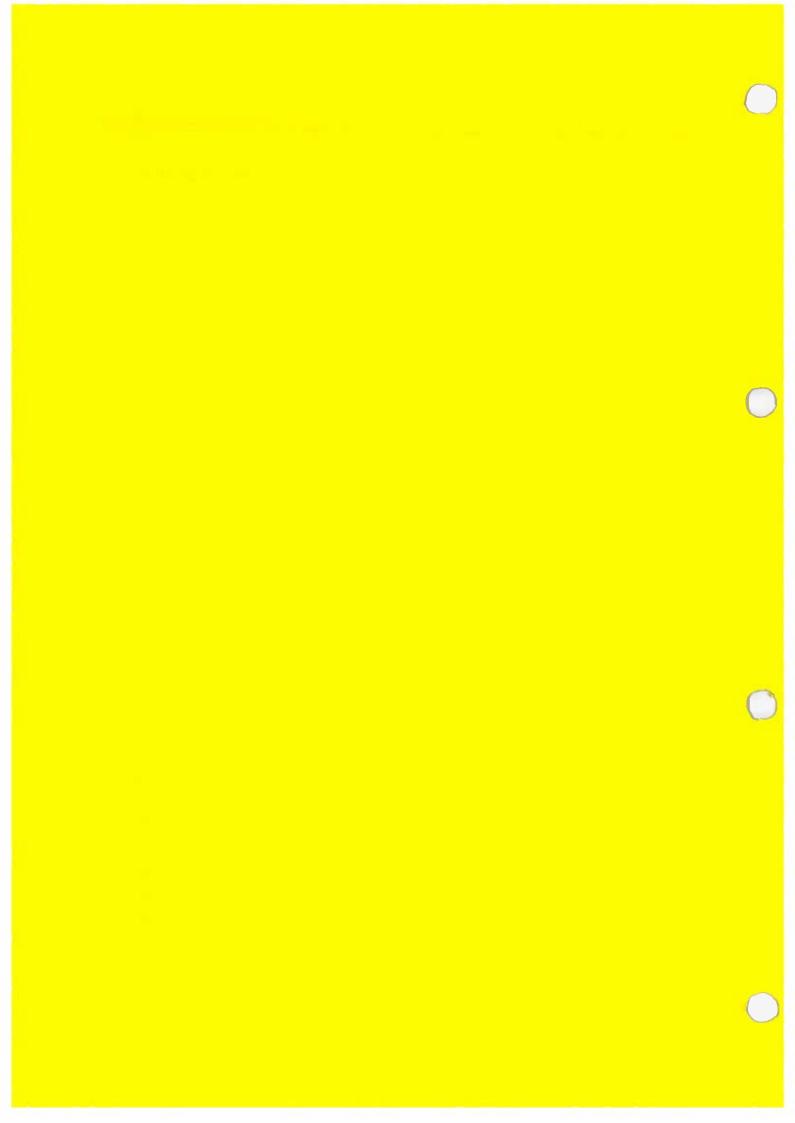
Plate 6: Red Diesel Tank and Waste Oil Tank







2. SURVEY OF BULK DELIVERY POINTS & CHEMICAL STORAGE AREAS



Coors South Brewery - Survey of Bulk Delivery points and chemical storage areas. - October 2002 (week 42)

A list of chemicals to be found in each area is as listed below, our main focus was to cover bulk delivery points and chemical stores. We were also asked to include any other chemicals that we came across whilst covering the points. We will be covering the products that we supply (JohnsonDiversey). It will be for others to cover items obtained from other supplires

To summarise the main points noted during the survey:

- Some delivery points not properly signed, labelled or secured.
- 2. Some points require lighting.
- 3. A common approach to labelling is required across all sections i.e. Utilities, process, services etc.
- 4. Need to examine supply and emptying of catch trays.
- 5. Delivery instructions / responsibilities need to be made clear along with documentation.
- 6. Need to re-examine some of the Brewery ingredients etc in the light of the environmental Audit, do they present a risk in terms of COB / BOB etc.
- 7. Re-examine and co-ordinate the need for all site products and current stocking / re-ordering levels. Ie hypochlorite.
- 8. Consider training for all chemical handlers on site.
- Examine bundage requirements in each area, may require capital or reduction in stocks.
- 10. Remove old / redundant out of date chemicals / items from site

Location	Product	Pack	\$	Bunded	ed A	0 —	Cremags	tray	
3 - 2 · 1		0716		14		DE	- /		
						a D			
No1 Brewery	Sugar Intake point	Bulk	18,000	S N			No	S _O	No parking / delivery instructions Tanks are fitted with mercury qauges which should be replaced.
	fourthouse and constant	1860	40	S S		×	No	No.	Sited on the floor
Tetralone	1 elfatione 1100 extract	Buik	12000	Yes	Brick	2	Yes	Yes	Catch tray full pH14
D-7-0	06% Sulphinic acid	Buk	10000	Yes	Brick		Yes	Yes	Day tank being replaced
S9 Mash	32% FG phosphoric	IBC	-	Yes	allibert	×	Yes	¥ Z	
presses	acid Booster	IBC		Yes	Enpac	×	Yes	N/A	Consider siting IBC outside
Tank house		* *		-		1 L		Voc	
B-1-B	Burton caustic blend	Bulk	25,000	Yes	m.steel	-	Yes	8 3	
B-2-B	Sodium Hypochlorite	Bulk	2270	Yes	Allibert	X.	Yes		
000	Department D	Bulk	10089	Yes	Allibert	>	Yes	Yes	
م- ۲ -۵-۵	Burton caustic blend 32/42%	BC	-	Yes	Enpac		Yes	Y A	
				25%	C/etool	×	Yes	Yes	
* * * * * * * * * * * * * * * * * * * *	Divosan Forte	<u>B</u>	24	Yes	S/SIBBI	—	200		
Pilot	Burton caustic blend	<u>B</u> C	-	Yes	Allibert	×	Yes	N/A	

. 5			\$ y			,		* * *		4.			*	-						-	Ţ.		,	
		P. C.			Bund required - All IBC's sited	on a metal plate grid over the CIP area which goes to drain	As above	As above				Tray is too small to contain spillage	Ditto					COSHH store signage requires moving to new location.	Bund too small					
	No.	4	Yes	4.7	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A		N/A	N/A		NA	N/A	N/A	N/A	NA	N/A	WA
	Yes		Yes		Yes	No.	No	Yes	No		No	No	Yes		No	No		°Z.	No	Yes	No .	Yes	Yes	Yes
-	7	- 10	>	-	,			7			,					i.	,			i	-	٠	1	•
	Allibert		Allibert					+							Allibert				m.steel	m.steel	m.steel	m.steel	m.steel	m.steel
	Yes		Yes	. 5.	No	No	No	S S	2		S S	Yes	Yes		Yes	No		2	Yes	Yes	Yes	Yes	Yes	Yes
2.0	1000 x		3200						2.4						-	17		2		62	4	-	-	2
*	Bulk		Bulk		IBC	IBC	IBC	IBC	20 litres		IBC	20 litres	25 litres		BC	20kg		20kg	IBC	20 litres	25ka	BC	<u>8</u>	BC
	CIO2 Unit		15% FG Caustic		Descale VA1	75% FG Phosphoric	ZOTW Caustic	Divosan DB	Divosan hypochlorite		Tetralone hop Extract	15% FG Caustic	Amoheric B		30% Phosphoric Acid	Positive Caramel		Positive Caramel	Totralone hon extract	Divosan hynochlorite	80% Lactic acid	Descale	Divosan DB	32% FG Phosphoric
-			Demin plant	1	NYB	S4M/S4V		*			T/I one Plant	2007			C/Fuge			COSHH	200 a 201					

	Acid	7			•	Ť		A1/A	
SC1 cont'd	75% FG Phosphoric	BC .		Yes	m.steel		Yes	NA.	
	HS25N	200	2	Yes	m.steel	<i>y</i>	Yes	NA.	
		SANIES			0010	1	700	N/A	Consider storing outside.
	Booster	JEC JEC		Yes	m.steet		103	VA.	Charact bund with Notal
	15% FG caustic	25 litres	5	Yes	m.steel		No	N/A	Shared Durin Will Indian
	Notak	25 litres	.5	Yes	m.steel		Yes	NA	0 0000
	l actic Acid	25 ka	2	Yes	m.steel	ŗ	No	N/A	Shared bund with Ampriette B
	Ampheric B	25 litres	10	Yes	m.steel		Yes	N/A	
	Burton caustic blend	BC	· ·	Yes	Enpac	Y,	Yes	NA	
	75% FG Phosphoric	BC		Yes	ditto	1	Yes	N/A	
	Acid								
	Calcium Chloride	IBC	2	Yes	ditto	·	Yes	N/A	O AL Box
	Beta Glucanase	IBC		No		.1	No	N/A	On the mooi
	70 TW Caustic soda	IBC	2	No No		1	No	NA NA	As above
	A LA						3		
Engineer's	SK 2000 Solvent	100litres	-	8		1	No.	NA	
dous								8	
+			•	,	Lange		No	N/A	
Oil Store	Milphos	25 intes	N	8	yellow	9 3			
	Not Known? Waste	50 litres	-	Yes	ditto	1, 4	No	N/A	Not labelled? What is this substance? Contravenes H&S regs
-	Waste Oil	25 litres	62	Yes	ditto		No	N/A	
	Mobilinear 634	25 litres	-	Yes	ditto		No	N/A	
	DTE Oil light	25 litres	-	Yes	dito	1	No	N/A	

	-				:		v.			*			-		7				1 30		, , ,	1
						一 一					Porta Feed System		Porta Feed System	Porta Feed System				3 points capped but not locked. Each point labelled as light Fuel Oil,	fuel gauges labelled as Heavy Fuel	Oil. Catch tray contains 2" Oil /	Middle gauge tank 2 not working.	
NA	NA	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A		N/A		N/A	N/A	NA	N/A	N/A	Yes	1			N.A
o _N	No	No	No	No	No	No	No	No	No		No (SDS)	***	No (SDS)	No (SDS)	No (SDS)	No (SDS)	No (SDS)	Yes				No
-							-		-	1	>	1.0	>	>	>	>	>	7				
ottio	ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto		T&D	bison	ditto	ditto	Blue	diffo	ditto	concre	2			Drum
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	+	Yes	Yes	Yes	Yes	Yes	Yes				Yes
4	-		7	-	_	41.4	-	-							2001	5001	10001	က		1		
20 litres	20 litres	20 litres	12.5 kg	20 litres	20 litres	20 litres	20 litres	20 litres	20 litres		Buk		Bulk	R. S.	Bulk	Rilk	Bulk	Bulk				1 806
Mobilgrease FM 102	Premium Antiwear hydraulic oil DTE 26		EP2	Mobil gear 627	-100N	2	DTE heavy medium	Mobil DTE FM 46	Mobil gear 626		Nalco 2584		Owner eravender 3	Naico 77993	Nalco2584	Noles 77993	Oviden ecalender 3	Fuel Oil				Chespile GO-511
Oil store											Boiler house							S-52-U				

	On plastic pallets																					The trial of the files	Hubbish in bund; some ures	delivery point.			
	N/A	. V/V	47				NA	N/A	4 4	ALIA.	NA NA		NA NA		A/N	NA	N/A		NA N	. 4114	NA.		Yes			NA	
	No		Yes				9 0	No			00	+	2		No	Yes	Yes	<i>y</i>	Yes		Yes		Yes			Yes	**
-	2	†		a a	1				1	+)	,	7	1,5	1	,	2		* 1					>	,	9		
Dolly				2 2	dreen	Allibert			/u						m.steel	m.steel	Enpac	yeilow	Green	alliner	m.steel		Brick/	ale die		-	c/steel
		2	Yes				No No	NI.	200		2	т	No No		Yes	Yes	Yes		Yes	7	Yes		Yes	· ·		Yes	4
			8				28	pallets	0	pallets	1.5	pallets	1.5	pallets	10	32	60		-	11.0	15		4200			2	
	1	ZXIOKG	<u>B</u>				20kg x	27	22.2Kg x	5	20kg x	18	22.7kg x	22	25 litres	20 litres	IBC		BC		25 litres		Bulk			BC	
		PGA 511	32% FG Caustic				Clarcel (ceca) Filter	Powder	Polyclar 10		Clarcel flo Filter aid		Polyclar super R		25% salicon liquid	Divosan hypochlorite	Decrete VA1	Descale vol	Burton caustic blend	32%	Divosan Forte		Burton caustic blend	32%	111	Divocan Forta	
	1	Filtration				· · · · · · · · · · · · · · · · · · ·		(*)	4										17.0%				B-8-F				

*	* * *				i.		j.								3					
							New bulk tank to be installed December to supply South Filtration and new packaging lines. (Merlin)	* * * * * * * * * * * * * * * * * * *	Stored on steel racks in stores. Are these chemicals necessary?									Tray required (by vessel 511)		
		NA			ON.	* (* 0 *)			NA	N/A	NA		N/A	NA	NA	N/A		NA	A114	KA
-	. 03	Yes			Yes				No.	No	No	• 4	No	No	So.	No		Yes		Yes
ŀ		,	-	5.	7						1.	4	,,			Ŷ,	. :			
	1 Enpac	- 1			Allibert			4.4				11			6	4				Enpac
		Yes			Yes			j.	No	S S	No		No	No	No No	No		S _o		Yes
					2				7	က	C		2	2	5	7		2		
		BC			10001				51×4	51×4	13 . 6	2 7 31	51 x 4	5 × 4	21	500ml		251		<u>B</u> C
		Burton caustic blend	32.78		ClO2 unit		Bulk delivery point not in use at the moment		Easyclean lemon	Washing up liquid	(Henkel Ecolab)	floor polish (JD)	Milloine disifectant	W.C. Deenclean	Hype (bleach)	Windowcleaner		Interchlor 15		Divosan DB
					Kegging /	LINGROII	B-9-K		Engineering	2000		* ,						Middle	conicals	

	-					_			
Plumber's	CIO2 Unit	10001	2	Yes	Allibert	>	Yes	No.	Lighting required at delivery point
Aliey	Salt Tank	Bulk	-	No.			Yes?	No	Point not locked / No plate, chemtag illegible
		1							
B-10-S	Sulphuric Acid 96%	Bulk	15000	Yes	Concre	2	Yes?	Yes	Chemtag illegible
Alongside B-10-S	Various empty oil containers		•	Yes		A	No	N/A	Dispose of containers
		-	ů.	+					
B-12-S	Industrial Methylated Spirit	Bulk		Yes	Concre te	1 1	Yes	<u>o</u>	Chemiag illegible. Water and rubbish in the bund, tank paintwork flaking and in poor condition. Point not capped or locked off.
B-11-C	Burton caustic blend 32/42%	Bulk	22000	Yes	m.steel	7	Yes	Yes	3* water / caustic in delivery point catch tray. Remote contents gauge and tank high level indicator not installed / commissioned.
				200	m etaal		No	N/A	Capped but not locked off
Diesel tank	Red diesel	DUIK	-	8	11136001		37.7.		
	Ainmoch	P. I.	2100	Yes	Brick	,		in a	
Camming	Burton caustic blend	BC	-	Yes	Enpac		No	N/A	
	Shurehand masterkleen	20 litres	56	Yes	Green		Yes	NA NA	
	Divergard 96	20 litres	N	Yes	Enpac	77.	Yes	NA VA	
	Backtrack S	<u>B</u>		Yes	Green	·	Yes	WA	Wrong signage fitted to bund

	9				alliber	-			
Warehouse	Preumatic conveying	Bulk	10,	8			No.	N/A	Contents of tank not known?
	Dischibe Rickide	IRC	-	NO.			No	N/A	Requires uplifting
	Docktrack S	IBC	0	No			No	N/A	Bundage required
	Dackuach S	200	1			-			Empty Bund in warehouse
NOTITION	DUILONI CAUSINC DIGING	3							
				7,57	1000		NO	N/A	Remove this material
Old Cask	Waste material - Biffa?	2081	N	Yes	m.stee		2		
Dock by E.stores						7.5	9		
	Glysantin GO5-11	2081		Yes	m.steel		No	NA	
Finings	Finings	Bulk	2	No No	11		No	<u>N</u>	u-bend left on delivery point liquid dripping to floor. (water?)
Intake							i.		
7 .								47.04	
Old D.A.D.	Ampheric B	251	4	Yes	Inside	1	Yes	NA NA	
		,		* .	S12				
					punq	F . 9		4	
MAC/NA7/NAR	Notak	25	-	<u>۷</u>		3	No	N/A	
MB	Naico 77345	Bulk		Yes	T&D	7	No (SDS)	¥.	Portateed system
		4			Bison				
					plastic	+			
	Nalco ST40	Bulk	-	Yes	dito	7	No (SDS)	N/A	Portareed system
		*		1		1.			
M7	Divosan Forte	25 litres	9	Yes	m.steel	1	Yes	NA	Chemiag requires replacement
					13			*	
					* ,		* * * * * * * * * * * * * * * * * * * *	**	
-									

Coors North Brewery - Survey of Bulk Delivery points and chemical storage areas - October 2002 (week 42).

A full listing of each area is in the table below, we were asked to include all chemicals in each area, even though we do not supply or have access to Data sheets etc. This will be for others to follow up, we will undertake to label / tag the products that we JohnsonDiversey) supply wherever possible / appropriate

To summarise some of the main concerns thus far:

- Bulk delivery intake points should all be fitted with blanking plates or caps and locked off.
- 2. There is no lighting at some of the points, some are not signed.
- Catch trays are not fitted to all points and the emptying of same is haphazard, not emptying suggest a weekly fortnightly inspection က်
- COSHH stores / storage areas have a range of chemicals and materials with 'food ingredients' stored alongside process detergents and cleaners. Ideally these should be stored separately.
- There needs to be ownership of the 'food ingredients' whilst most of these do not present a chemical hazard, for environmental purposes any products with a high COD / BOD are a risk. ie Glucanase. က်
- Some of the stores eg North Smallpack have very high stocks of certain materials. Stock levels need to be rechecked / optimised... ഗ്
- There is a range of cleaning materials on site, some may not be necessary or be duplicated. Consider rationalising the number of cleaning agents. Also 'suitabilty' ie Easyclean Lemon' in a packaging area.
- Remove all old / no longer used materials and practise 'stock rotation'. Eg are all of the oils / greases necessary in the Oil store by ထ
- Training to be provided and documented for personnel storing, handling and using chemicals. We have found examples of hazardous chemicals stored together. le Hypo next to Acids. ர
- 10. If the site require FF status consider current extensive use of wooden pallets, should also not be used with Peroxides unless treated with a fire retardant. COSHH stores would be better with plastic pallets
- 11. Standardise labelling for all areas / suppliers ie Chemtags / Data sheets. Different practices between process / utilities etc.

	支			1	-	7					*		4
	No Albion signage at delivery point point / No lighting at delivery point				ON II	Product from South, put in inc. no bund in South MCAP	Chemtag required	Should only be one ill store	Ordered for new CIOZ unit: fittings require changing?				
tray	1" water in tray												
Chemtags	Yes		Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No chemtags	No
ഗ ന c ൽ ന യ		*	7	3	> .	7	2	7	2	7	2	٠.٠	2
Фф	Allibert		Green Allibert	Green Allibert	Enpac	Enpac	Enpac	Enpac	Enpac	Green	Enpac	Z	Z
Bunded	Yes	***	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	S S	¥.
ð	One			4		-	-	a	-	- X	<u> </u>	N	× č
Pack size	10,000 I Bulk		BC	BC	IBC	IBC	IBC	BC	IBC	180	BC	<u>B</u> C	25 kg
Product .	Burton Caustic Blend 42%		Phosphoric acid	FG Caustic 32%	Acidbrite 9	Divosan DB	Descale VA1	Divosan Hypochlorite	Sodium Chlorite 7.5%	Sodium Chlorite 7.5%	Hydrochloric Acid 9%	Vickers Aux. Finings	Calcium Chloride
cation	ecovery	1-2-1	OSHH	TOTE INC.									0 3 9

Hydrochlor Acifoam VI Renofoam Hydrogen 35% LQ39 Hydrofoar	%6 pi	25 litres	Н	Racking 1	Mild Steel	7	Yes	Yes	Ground level	
Acifoa Hydro 35% LQ36 Hydr	+	1	1				-			and factors
Hydrc 35% LQ36 Hydr Hydr Hydr Phydr Hydr Hydr Hydr Hydr Hydr Hydr Hydr H	Acitoam VF10	20 litres	28 F	11.6	Mild Steel	2	Yes	Yes	cleaners etc. are they nee	are they needed?
Hydro 35% LQ36 Hydr		+		Dacking	Mild Steel	>	Yes	Yes		
35% LQ39 Hydr	peroxide	25 litres		1	Mild Steel	7	Yes	Yes	Racking not suitable, consider moving / segregate from other	not suitable, consider segregate from other
LQ39 Hydr				- P		10.1			chemicals	
Hyd		20 litres	22	Racking	Mild Steel	2	Yes	res		
	Hydrofoam No1	25 litres		Racking	Mild Steel	2	Yes	Yes		
	Divosan Hynochlorite	20 litres		Racking	Mild Steel	>	Yes	Yes		
	Sail Liybournound	25 litres		Racking	Mild Steel	7	Yes	Yes		
Continua	10. 100	25 litres	1	Racking	Mild Steel	7	Yes	Yes		
JSO C	FOSCIOI 100	OF litrae	10	Racking	Mild Steel	2	Yes	Yes		
COO	Sodium Chlorite 7.3%	AS HINGS	2 -	Backing	Mild Steel	2	2	Yes	Chemtag required	ed
25%	25% Salicon Ilquid	25 litres	+ =	Racking	Mid Steel	>	S.	Yes	Chemtag required	pe
20%	Carbonate	3					*	;		, in
750/	75% Dhoenhoric acid	25 litres	12	Racking	Mild Steel	2	No	Yes	Chemiay required	noor lost
Tital	Titan Chlortabs	Tubs	0	No.	N/A		Yes	A /2	On table lift colling tooling	200110011
Sic	Divocan Hypochlorite	20 litres	-	Yes	Green	,	Yes	NA		-
<u></u>	and a second	-			tray		10.4	O W	8	
,	Calcium Sulphate	25 ka	1.5	Racking	w pallet	2	SO No	2		
CONTO	Amiozyma FVI	25 litres	7	Racking	w pallet	>	2	02		
H	Titan Chlortabs	2 tubs	72	Racking	w. pallet	7	Yes	2		
+	Down dit	N/A	6	Racking	w pallet	2	S O N	NO		
SOURCE CONTRACTOR	reillia uut	N/A	-	Racking		>	8	2		4 4
	Dolywlar 10	N/A	4	Racking			2	02		
2 4	AR Vickers?	N/A	2	Racking			2	2:		
64	40% Sodium	4x5	_	Racking		7	ON.	ON.		
We.	Metablishiphilie soili.	20 litrae	5.	Racking	w pallet	7	N _o	<u>8</u>		
SO		95 litrae	2 2	Racking	T	7	No	2		
Ŏ Ğ	Potassium Chloride 99		-	Racking		2	No.	2		
2		+	- 5	91		1,	-		ci ca	point
47	47% R Grade Caustic	0009	-	Yes	Forbes	7	2	2	Z Causac III Duin	200

		No signage other than Label on the tank.		SDS fitted		SDS fitted												Marked up do not use	On floor at rear of engine house		Outside rear or engine mouse	No bianking plate on pourt	
)		No.		NA NA		N/A	4.5		NA VA	N/A	NA	N/A	C A	N/A	§	N/A	N/A	A/A	A/N		2	2	ટ્ર
1	*	No		Se		S.			No No	No	No	NIO	0	No	No	No	ON.	NO.	ON CONTRACT	2	No	So	No
		7		7		>	·	6	7	7	7	1		2	>	>	>	3	×	, i	×	×	×
plastic type		Liquid metering instrumen	ts si	T&D	Bison plastic	T&D	Bison plastic	tank	m.steel	m.steel	m.steel		m.steel	m.steel	m.steel	m.steel	m etaal	On lizer	OII IKGI			4	30/062/4
)		Yes		Yes		Yes			Yes	Yes	On	0150	On DTE25	Yes	On DTE25	Yes	20%	No.	165	NO	No	No	No
,			1		7				-	-	-		. 1	-	-	-	-	- 0	V S	N	2	-	-
		500 12		2		2		•	200l	2001	102		25	251	201	20 i	100	200	702	135Kg	IBC	Bulk	10001
		Performax AP1085 Ashland chemicals		Water, Hypochlorite		Water Sodium	Bromide		Mobile DTE25	Jizer Crownkleen No1	Esso zerice S68		Mobil gargoyle arctic 300 compressor oil	Castrol icematic 2293	Mobil rarus 427	Mobil DTE heavy	medium	Atlas copco Hoto Z	Dirty Oil drums	Type 4A-of 1/16 Powder	Calcium Chloride	Calcium Chloride	Adjacent tank
		igine xuse					7 -		141	1					,							7-6-7	

						-			
		t C							
& 6 Cold	CIO2 Unit - All Ok	2×251		Yes	Plastic Bins	2	Yes	NA	
-	Divosan hypochlorite	201	မှ	Yes	Green tray		Yes	NA	
	Titan chlortabs	tubs	က	N/A			Yes	N/A	Upstairs on table
							a ·		
east Room	1	25 litres		Yes	Green tray	1 4	Yes	N/A	
-	Phosfoam	25 litres		Yes	Green tray	*	Yes	NA	
∤-6- 1	Burton caustic blend 42%	BULK	-	Yes	S/steel	7	Yes	Yes	Slight leak on pipe-work outside
		4 4 5							
3ibbv's	Titan chlortabs	tubs	. 1.			×	Yes	N/A	
	Divosan hypochlorite	20 litres	 -	Yes	Plastic tray	1	Yes	NA	
	Ampheric B	25 litres	-	Yes	As above		Yes	N/A	
	Slipstop maintenance cleaner (mineral acid	5 litres	ന	ON.					
	50% Potassium	25 litres	-	S		×	Yes	N/A	
-	Foam control 20	25 litres	-	8	•	X	No	N/A	
	Phosfoam	25 litres	100	No	2	×	Yes	NA	1
		3				- 1			
Nathan's Ave, N19 - No7 Cold	Divosan Hypochlorite	<u>B</u>	± Magdy	Yes	Enpac	× .	Yes	A	
	Acidbrite 9	BC	-	Yes	Concrete / steel	×	Yes	NA	
	75% Phosphoric acid	BC	-	Yes	ditto	×	No.	N/A	2" liquid (dirty) in bund
	1 empty bund in this								

4	area with a wooden pallet on.)			- 4			
7-7	IMS	Bulk		Yes	Brick built	2	9	2	2 1	No easy access to hose / no
								-		ת בי
			100		L		20%	NI/A		
7 Cold	Foam Control 20	25 litres		Yes	Enpac		20			
mox.					Yellow	1	-			
	Take	Tipo	0	202	ditto		Voc	N/A		
1	Drofeer	OF HAND	0 7	× × ×	Graph		Yes	N N		
	Tiosioaiii	canii cz	+	ß	ollibort		3			
					tray	4			ę	
	Simba	25 litres	2	Yes	ditto	1	Yes	N/A		
	Divosan Hypochlorite	20 litres	က	Yes	ditto	•	Yes	N/A		
-			t)							
ending A.C.	Burton caustic blend	Bulk	-	Yes	Concrete	7	Yes	Yes		No lighting - Bund contains rubbish
2-5-5	Acidbrite 9	Buk	-	Yes	Concrete	7	Yes	Yes		
	Alainol / finings	Buk	-	8	Concrete	×	No	2		
lending	AB Vickers auxiliary finings	BC	-	8	On.w. pallet	7	ON No	§ N	- 5	
lending com cont'd	HD141	20 litres	Ξ.,	Yes	Plastic tray		Yes	Ϋ́ N		
	50% Potassium	25 litres	က	Yes	ditto		Yes	N N		
	Carbonate		t	4.3	- 1			111		
	Simba	25 litres	-	Yes	ditto		Yes	YN:		
	Divosan hypochlorite	20 litres	2	Yes	ditto	. 1	Yes	NA		
16. 14	LQ 39	20 litres	3	Yes	ditto	Ć.	Yes	¥ N		
	Isohop (J.Barth & Son)	20 litres	8	No		•	Yes	N N		
	Titan chlortabs	tubs	9	No			Yes	NA		Stored in steel cabinet
	N12 ClO2 unit - all OK	7.0			4		-			
1.0	N12 Divosan Hypochlorite	20 litres	-	Yes	concrete		2	¥ 2		Inside CIP bund
-										

					ı	-	Th.	-			÷		-					*			1						7
		Kept on table	On wooden Pallet	On plastic pallet							On wooden pallets		Cine ribbieh in hunds 1 IBC on		Society Ald Ald Continue	a chemtag					Bund floor requires cleaning. No lighting on delivery point.		No lighting at delivery point	C	Query capacity of bund?	As above	Stored inside caramel intake
			NA		N/A	N/A			N/A	à	N/A	*	A17A	V 2		N/A		N/A	N/A		Yes	4	Yes	,	No	No O	NA
		Yes	No		No.		O D		No		Yes			Yes	100	Yes		Yes	Yes	(4)	Yes		Yes		No	No	No
50	+			4.		19		ľ	-		i		+			•	1	2			7	**	7		×	X	×
					Plastic	Lay	allibert	tray	4					Enpac yellow /	S/Steel	Green	tray	Concrete	S/Steel	+ 1	Concrete	0.4	S/Steel		Concrete	ditto	ditto
		2	8	2	Yes		Tes)	No		No			Yes		Yes		Yes	Yes		Yes		Yes		Yes	Yes	Yes
	-	60	6	45	4		N		<u>.</u>	ì	5	pall	ets	ณ		2			-		-	10	1-		-	-	-
All OK		Tubs	ے	9			SO IIITES		25 litres		20kg			BC		20 litres		Bulk	IBC	-	Bulk		Bulk		Bulk	Buk	1000kg
N18 CiO2 unit		Titan Chlortabs		PGA 511	0		Acitoam VF10		Foam control 20		Colite			FG Caustic 32%		Divosan hypochlorite		Acidbrite 9	FG Acid 75%	200	Burton caustic blend 32/42%		Burton caustic blend		Primings intake	Caramel intake	Positive caramel
S		er Boom					•	171	4		wder	noc						1 acid	JHEF TANK		H-1-		-2-B		rowhouse	2000	=

										ï				-		-				4 11 1							
pund			Tank on a steel frame	IBC on a stool frame	IDC OII a sicel liamo	IBC on a steel frame	Sitting on the floor	On a mild steel base tray	On a mid steel base tray	S/Steel tank on floor	On a mild atool book from	On a fillid steel base it ay			1 x 25 litre drum in CIP bund												
	NA	N/A	N/A	NI/A	W.W	N/A	N/A	N/A	NA	¥ N		N/A	NA N	N/A	A A			Z/A	MA		Y.A	N/A	N/A	NA NA	N/A	ditto	NA
	No	No	Yes		Yes	Yes	No	No	No	No No		<u>%</u>	Yes	No	Yes			Yes	Yes	•	%	No	No	No No	No	No	No
H		_		十		•	,	•	•	i i			1		1,3		1							1	. 1.	- 8	
	M.steel	Ditto							1			ı	Enpac yellow		Green allibert	tray					Wooden	dito	ditto	difto	ditto	ditto	ditto
	Yes	Yes	No		No	No	No	No	No	No		No	Yes	No No	Yes			No	S S		No	SN ON	2		8	2	2
1		1			• .				1	_	·	1	က	28	ဖ			2	-		107	61	4	107	84	78	35
-	IBC 2	IRC 2	J		1BC 11	IBC 1	IBC 1	IBC 1	BC	Bulk		IBC	IBC	18.1kg	ري د	•		25 litres	25 litres		25kg	25kg	50ka	20kg	20ka	25kg	25kg
	Lactic Acid 80% IE	Chlorida		anhydrous	Glucanase 1	oride		me	(66/		anhydrous	Glucanase 1	stic blend	Hon extract	1.4			Simba	Phostoam		Ground gypsum	Hominion Hone	steller		iner hop pellets		lum Chloride 99
			esnouwe	nt'd.	-			, t										rewhouse		100	Floor		-				

		-		-2112			4/2	
Pure dried vacuum	25kg bans	გ	0	OIIIO	-	0		
A remo ordroot	Form	42	No	ditto		No	N/A	-1
Alulia exilaci	2	18	CZ	diffo	•,	No No	NA	
Barincoz Exilaci		2						
								Switch to IBC's?
CIO2 unit all OK								
*						214	NIA	On a wooden pallet
Eticol 444	30kg	8	0 0 2	,		ON	2001	tollor notion
NDT treatment 3430	50lb	4	S N		è	<u>S</u>	A N	On a woodell pairer
	drum						NI/A	On floor area
Determelt 3	20kg	T.	2			NO.	2	
	drum		•			*		
						-	N/N	On natlet under convevor
Labelfix EC3017	30kg	ณ	2	1 /		02		
	OD:	1,	1	Total P	3	No.	CN CN	No signage or lighting. No blank
Backtrack S	nek nek		S G S	plastic		2		plate on point.
Backtrack S	Bulk	-	Yes	Ditto	7	S O	o N	no point is locked; signage is poor. All tanks in the same bund.
		+	Voc	Diffo	3	Yes	No	As above
Burton caustic blend 32/42%	DOIN	1 (1) 2 (1)	3					
Magnesium Sulphate tank	te Bulk		2					
		-	٠.		-			
	1.				32			chaild not be used in this area
Easyclean Lemon	210 litres	-	<u>8</u>	On floor	1	02	0	
Oxofoam VF5	20 litres	F	Yes	Plastic tray	•	Yes	Z/Z	
Shurehand	20 litres	17	Yes	Plastic tray	15 4	Yes	NA	the state of the s
Divosan TC86	20 litres	क्ष	Yes	Plastic	a I pro-	Yes	NA	reduce stock level
90	South OC	5	Yes	diffo	-	Yes	ΝA	

On the floor			Stored on the Floor		On pallets												All stored together on mild steel bundage				
1	NI/A	YA.	N/A	N/A	N/A	NA		NA	A17A	V 2	N/A	N/A	N/A	N/A	NA	A N	N/A	N/A	NA	N/A	A/A
Voe	3	ON	No	No	No	No		N _O		ON	No	No	No	No	No	S O	oN N	No	Se.	No	No
F		•	-	•	1			1		. 4	•	•	1.	•		1			. I'.		. •
		Plastic trav	On floor		On pallet	Plastic trav		m.steel		ditto	ditto	difto	ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto
		Yes	S S	ON.	S _O	Yes		Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1	1	5	2		81	2		-			-	-	_	-	-	N	-	-	_	ય	٥
1	1	25kg	25kg			bags 25 litres		208 litres		208 litres	208 litres	208 litres	208 litrae	208 litres	208 litres	10 ×	50kg	12.5kg	15.8 kg	12.5kg	12.5kg
	Treatment 3430	NALCO 77344 2	Dantacol FE	273	drous	Phosphoric Acid 85%	ClO2 unit - all OK	Mobil gear oil 630		Waste oil drum	Chevron lub. oil	Mobil DTE 25	Mobil DT 24	Mobilgear 630	Mobil FM 320	77 bearing /chassis	Mobilux EP 004	Mobilix FP2	Mobilarease FM102	Mobil gardovle grease	Chall alhida R9 arassa
								Oil Store by Nathan's Ave Sub	Station			Oil Store	CONTO								

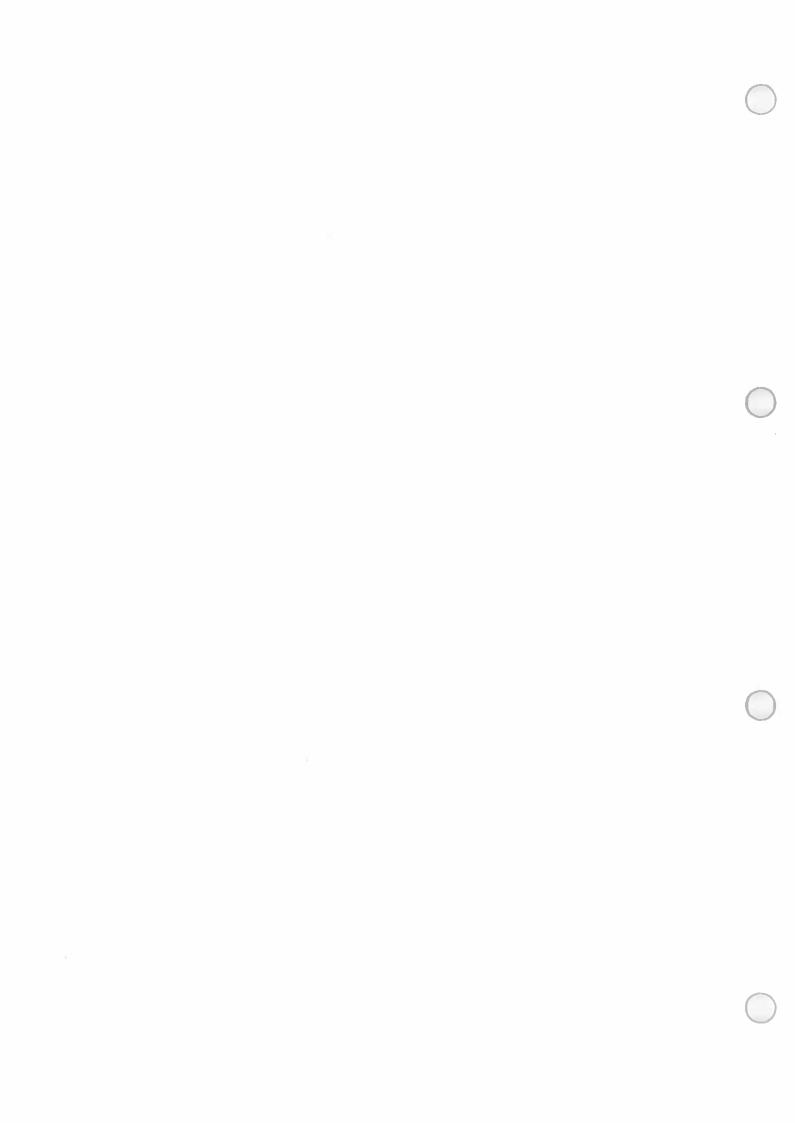
N/A	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	N/A	NA		No Only sign, is for delivery	(3)	une delivery point		N/A SUS ON TANK	N/A SDS on tank		N/A On floor next to tank		N/A 1 IBC not bunded	****	WA		N/A	
No	No.	No	No	No	No	No	No	No	No	No	No	S S	No	02		S				2	O'N	2	No	*,	No No		Yes		Voc	30
	1 - 4	ï	ï	7/1	-,	·		•	ī,			<u>. </u>	4	•			vo.			7	13		·		. 1	-	17			4
ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto			**:		1	Plastic	אוואן אוואן	Flasuc	,		Yellow	plastic	Green	Allibert	Hay	CINIC
Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		NIA	Known			Yes		Yes	2		Only 1	papung	Yes			Yes
' 							2	-	_	-		.	-							-		1	ř		2		2	d,	1	7
18 kg	æ	20 litres 1	15 kg	v d	1	+	+-		╀╌	20 litres	20 litres	20 litres		20 litres				er ii		430 litre	tank	430 litre	220kg		<u>B</u> C		25 litres			25 litres
Mobil DTE FM 150	3.	SOV/SUA	- Jucous	Lubripiale FG lubricalit	Mobil Davolube 830	Mobil coar 620	Mobil dimo 525	Mobil gear 634	Mobilsol 77	Mobil whiterex 414	Mobil gear 63C	Mobil delvac MX	Mobil DTE 26	Mobil DTE heavy	medium		Bulk		Y	Nalco 77321		Nalco ST40	Noiso 77991	CIOS unit all OK	Potassium Carbonate	Soin 30% w/w	Phosfoam		+	Simba
4	4	~ ~							17 1	-							3ulk Sugar	Hand		No5 cold	Room				Nobista Nos	Cold Boom	No5 Cold	Room by	N25	** **

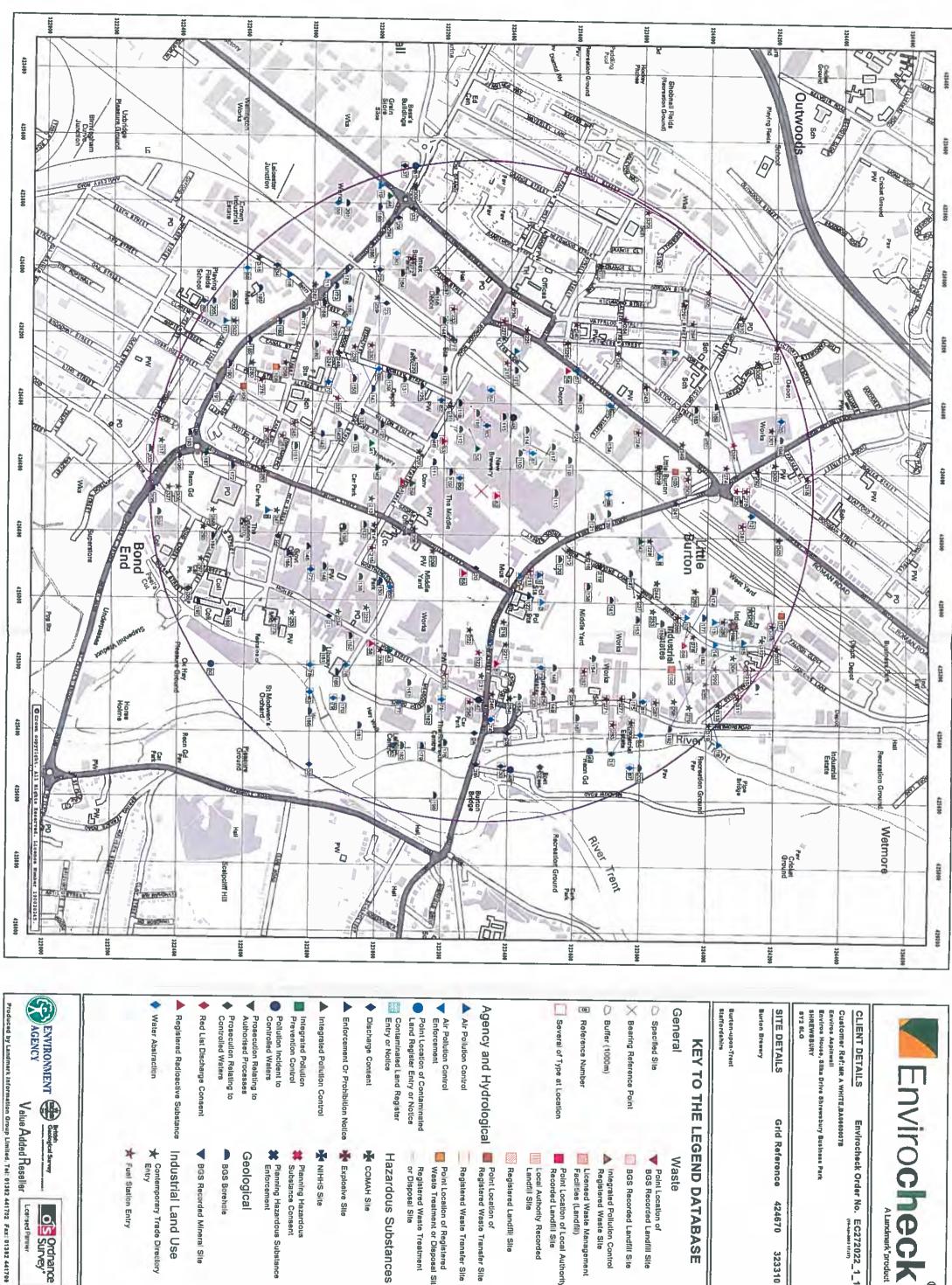
	- 1		£ 3			_	S. I	: 1	F		T	1 "	T			T		
No lighting at delivery point. Catch tray full	As above, Slight corrosion to bund floor	And the state of t	No blanking cap mued to point.	Catch tray too small	Catch tray too small		Above 3 points not locked. All 3 couplings are the same		Brick bund should be lined. No blanking plate. No lighting	Day tank bund nearly full pH7		Point not locked					Chemical precursor prone to freezing when -2 C or below consider lagging or other protection	To be removed
3 1						:				7.6	:							
1	Yes		2	Yes	Yes	Yes		No	N/A	N/A		Yes		N/A	¥	Yes		4.4
Yes	Yes		No	No (SDS)	No (SDS)	No (SDS)		No	No	No		No		Yes	Yes	Yes		Yes
>	>	-	>	>		>		×	> ;	>		> ·			•	>		, ale,
Concrete	Concrete		Yes		*			1	Brick	Tiled		Concrete/ brick	•	Green allibert tray	Blue tray	S/Steel		Enpac
(es	Yes		S S	No	2	S S		No	Yes	Yes		Yes		Yes	Yes	Yes		Yes
	_		_	-				-	2	1		CI		-	-	-	- E - T	-
Bulk	Bulk		Bulk	10001	c.1000l	c.1000l		205 litres	40001	c.1000l		2		20 litres	25 litres	Bulk	All OK	200 litres
durton caustic blend	Acidbrite 9		Vacuum Salt	Nalco 2800	Nalco Oxygen scavender 3	Nalco 2584		Mobilsol 77	Hydrochloric Acid	Hydrochloric Acid		Fuel Oil		Divosan hypochlorite	Phosfoam	Acidbrite 9	ClO2 unit	Backtrack H
7-9-C	4-7-C		N-30-U	N.18.11	N-19-U	N-20-1J		Boilerhouse	N-16-U			N-21-U		Tank Farm		N-3-T	Braithwaite tank	Diversey P/up point Kending

)ico	Dicolube Bioxide	9501	#	Yes	Ditto	,	Yes		
XO	Oxofoam VF5	20 litres	6	Yes	Concrete	>	Yes	N/A	Cage padlocked
10 OF	<u>u</u>	20 litres	00	Yes	Ditto	>	Yes	N/A	
	Supergel	20 litres	1	<u>%</u>	1		No	N/A	Outside of cage - Cage not signed as COSHIH Store
Scotke	Scotkern grease	200 litres		Yes	Concrete / m.steel		9	NA	
S	Scotkem s/s cleaner	205 litres	-	Yes	ditto	ı	No No	N/A	On wooden pailet inside bulkd
		20 31					* *		
lodet) te	25 litres		2		· ·	No No	NA	
ğ	lodosan B	5 litres	-	S S		-	No	N/A	
								N/A	
Ba	Backtrack S	950 litres	*	8			Yes	VAI.	
	Superdel	20 litres	2	Yes	concrete		ο 2	YN YN	
Ť	Hydrosoft tablets	25kg bags	9	No No		,	ON.	YA	
S	Divergard 96	20 litres	÷	No No		1	No.	Y/N	On wooden pallet on steel rack.
12 P	Racking Pellets type 100 (Morris Hanbury)	2x1000	10x	<u>8</u>	**************************************		02	¥ 4	
ပြ	Golding hop pellets	1000	40	S N			02	4	
3 8	Burton caustic blend	Bulk	-	Yes	concrete	>		ν 2	
Ž.	Aluwash	Bulk	▼	Yes	Newly lined		√es √	0	
រ៉េ	Finings tank 1	60 bris	-	2		>	1	Yes	No delivery point designation Nos
	Finings tank 2	60 brls	-	No No		> ;-	So	Yes	As above
	Backtrack S	Bulk		No		>	Yes	NA	Creming lequipo periode de la company de la

						٠.					ú-		2	-	-		4.
					Filled from 2001 drums		Filled from drums				dim booder	Old stock now replaced with Divosan hypochlorite			4 7		
		N/A	A1/A	42	NI/A		N/A		N/A		-	NA	AL/A	Y Y	Y N		
		No	2	OZ.	1	2		ON	N.I.	2		No No		So	So		•
	<u> </u>	-			╅╴	7 1	1	>				1					71
-				Enpac	Паў	Forbes plastic		Forbes plastic		Enpac	tray	ditto		ditto	ditto	-	
(SO No	Yes		Yes		Yes		Yes		Yes		Yes	Yes		
. 0			2.			-		<u> </u>				0		20	+		
		†	230kg	c. 1001	п п	1009		2001		25 litres	÷	25 litres		20kg	25kg	bads	-
)	Hypersperse AF 200	Caustic soda 50%	*	Hypersperse tank		15% Sodium	Hypocillollie	Glycerine		Interchlor 15		Bioclean 511	Bioclean 442		
		O. Plant								10 plant							

P.Coxon JohnsonDiverse







Envirocheck Order No. EC272022_1_1

SITE DETAILS Customer Ref: MR A WHITE, BADESDOCTS
Enviros Aspinwall Enviros House, Sitta Orive Shrewabury Business Park Grid Reference

424670

323310

KEY TO THE LEGEND DATABASE

Waste

Point Location of BGS Recorded Landfill Site

A Integrated Pollution Control Registered Waste Site BGS Recorded Landfill Site

Facilities (Landfill) Point Location of Local Authority
Recorded Landfill Site

Local Authority Recorded

Registered Landfill Site

Agency and Hydrological Registered Waste Transfer Site Registered Waste Transfer Site

or Disposal Site Registered Waste Treatment Point Location of Registered
Waste Treatment or Disposal Site

Hazardous Substances

COMAH Site

Planning Hazardous Substance Enforcement * Planning Hazardous
Substance Consent NIHHS Site

BGS Borehole

Geological

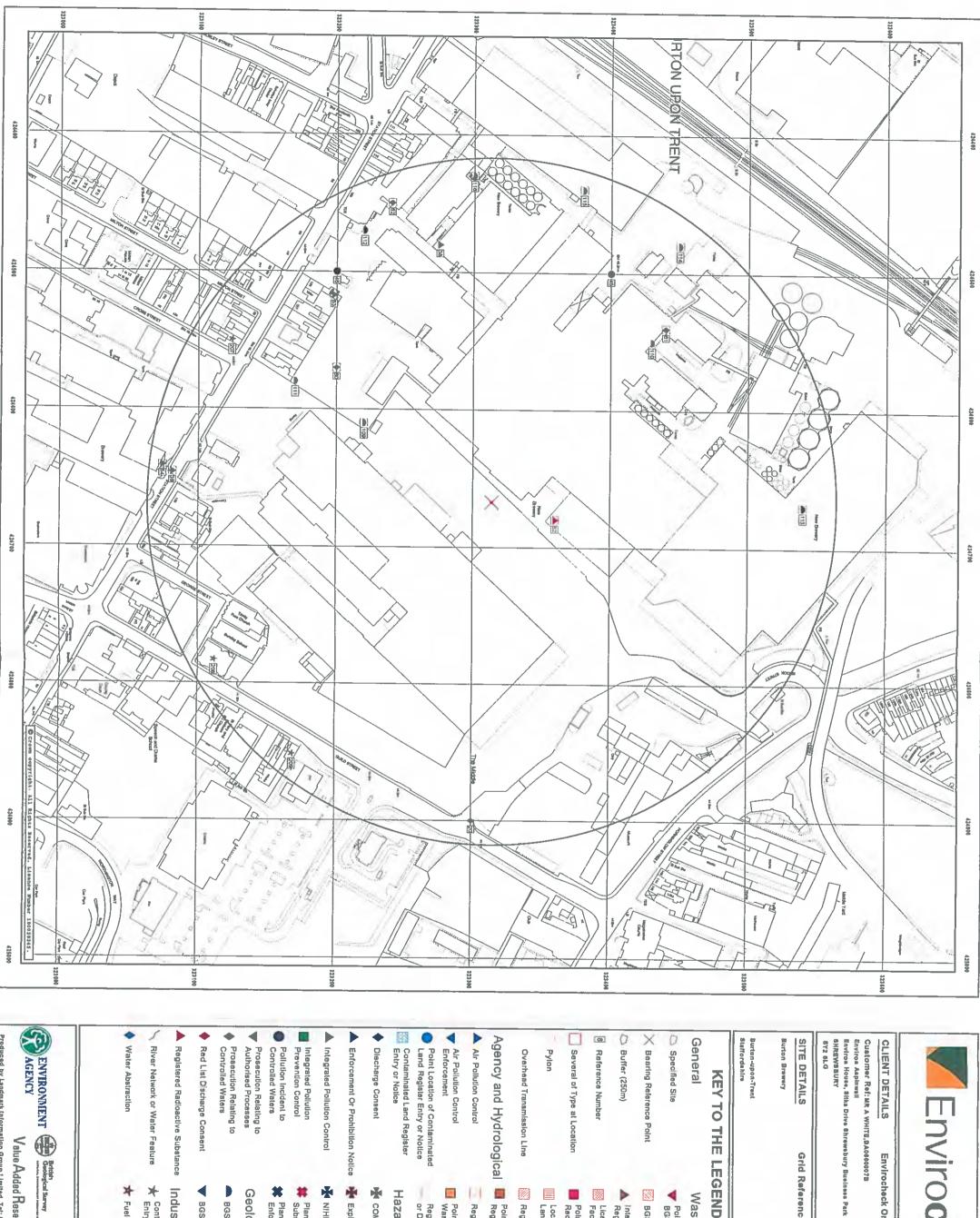
Industrial Land Use ▼ BGS Recorded Mineral Site

* Fuel Station Entry Contemporary Trade Directory











Envirocheck Order No. EC272022_1_1

KEY TO THE LEGEND DATABASE

Grid Reference

424670

323310

Waste

BGS Recorded Landfill Site Point Location of
BGS Recorded Landfill Site

A Integrated Pollution Control Registered Waste Site

Licensed Waste Management Facilities (Landfill) Point Location of Local Authority Recorded Landfill Site

Local Authority Recorded Landfill Site

Registered Landfill Site

Agency and Hydrological Registered Waste Transfer Sits Registered Waste Transfer Site

Point Location of Registered
Waste Treatment or Disposal Site

Hazardous Substances

COMAH Site

Registered Waste Treatment or Disposal Site

Explosive Site NIHHS Sta

Planning Hazardous Substance
Enforcement # Planning Hazardous
Substance Consent

BGS Borehola Geological

▼ BGS Recorded Mineral Site

Industrial Land Use

Contemporary Trade Directory
Entry * Fuel Station Entry











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Envirocheck® Report

Report on:
Burton Brewery
Burton-upon-Trent
Staffordshire

National Grid Reference:

424670, 323310

Prepared For:
Enviros Aspinwall
Enviros House, Sitka Drive
Shrewsbury Business Park
SHREWSBURY
SY2 6LG

Your Reference:

MR A WHITE, BA0660007B

A Landmark Information Group Service

Report Reference: 272022-1-1

Date: 10-Apr-2003



Agency & Hydrological

Waste

Hazardous Substances

Geological

Industrial Land Use

Sensitive Land Use

Data Currency

Data Suppliers & Copyright Statements

Useful Contacts

BGS Borehole Order Form

Introduction

The Environment Act 1995 has made site sensitivity a key Issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity Data Sheet places great emphasis on statutory data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from English Nature (and the Scottish and Welsh equivalents), the Environment Agency (and the Scottish equivalent) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any Information concerning past uses of land. The datasheet is produced by querying the legend database to 1km from a single point provided by the client

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers

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Data Type	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m
Agency & Hydrological				
Air Pollution Controls			6	15
Air Pollution Control Enforcements		9		
Contaminated Land Register Entries and Notices				
Discharge Consents		1		49
Enforcement and Prohibition Notices				
Integrated Pollution Controls		5	2	4
Integrated Pollution Prevention And Control				
Nearest Surface Water Feature				Yes
Pollution Incidents to Controlled Waters		2		5
Prosecutions Relating to Authorised Processes				
Prosecutions Relating to Controlled Waters				
Red List Discharge Consents				
Registered Radioactive Substances		6	4	9
River Quality				1
Water Abstractions		6	18	55 (*96)
Groundwater Vulnerability	Yes			
Fluvial Indicative Floodplains	Yes			
Tidal Indicative Floodplains				
Source Protection Zones	3		6	4
River Flood Data (Scotland)				
Waste				
BGS Recorded Landfill Sites				
Integrated Pollution Control Registered Waste Sites				
Licensed Waste Management Facilities (Landfills)				
Local Authority Recorded Landfill Sites				
Registered Landfill Sites				
Registered Waste Transfer Sites				6
Registered Waste Treatment or Disposal Sites				1

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Summary

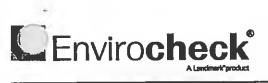
Data Type	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances	455		01/3/21/5/02	
Control of Major Accident Hazards Sites (COMAH)				
Explosive Sites				
Notification of Installations Handling Hazardous Substances (NIHHS)		12		
Planning Hazardous Substance Consents				
Planning Hazardous Substance Enforcements				
Geological				
BGS Boreholes		16	45	104
BGS Recorded Mineral Sites				
BGS 1:625,000 Solid Geology	Yes			
Coal Mining Affected Areas				
Shallow Mining Hazards	Yes			
Natural Subsidence Hazards	Yes			
Radon Affected Areas	Yes			
Radon Protection Measures	Yes			
Industrial Land Use				
Contemporary Trade Directory Entries		3	22	198
Fuel Station Entries			1	5

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Data Type	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Uses				
Areas of Adopted Green Belt				
Areas of Unadopted Green Belt				-
Areas of Outstanding Natural Beauty				
Environmentally Sensitive Areas				
Forest Parks				
Local Nature Reserves				
Marine Nature Reserves				
National Nature Reserves				
National Parks				
National Scenic Areas	3			
Nitrate Sensitive Areas				Can-
Nitrate Vulnerable Zones	1			
Ramsar Sites				
Sites of Special Scientific Interest				
Special Areas of Conservation				
Special Protection Areas				

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Map ID		Details	Compass Direction	Distance From Site	Contact	NGR
	Air Pollution Cont	rols				
1	Name: Location: Authority: Permit Referenca: Dated: Process Type: Description: Status: Positional Accuracy	Eison and Co (1920) Ltd Meadworks, Horningtow Street, BURTON UPON TRENT, Staffordshire, DE East Staffordshire District Council, Environmental Health Department PG2/4(91)005 7th March 1993 Local Authority Air Pollution Control PG2/4 Iron, steel and non-ferrous metal foundry processes Authorisation elither revoked or cancelled r: Manually positioned to the road within the address or location	NE	283	1	42492 32345
	Air Pollution Cont	rols				
2	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	Unipoly Silvertown Ltd Horninglow Street,BURTON UPON TRENT,Staffordshire,DE13 East Staffordshire District Council, Environmental Health Department PG3/12(91)001 31st January 1993 Local Authority Air Pollution Control PG3/12 Plaster processes Authorisation either revoked or cancelled r. Manually positioned to the road within the address or location	NE	263	1	42492 32344
	Air Poliution Cont	rols				
3	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Unipoly Silvertown Ltd Horningslow Road, BURTON-ON-TRENT, Staffordshire, DE East Staffordshire District Council, Environmental Health Department Pg6/20/28(92)001 29th September 1993 Local Authority Air Pollution Control PG6/28 Rubber processes Status of application unknown at time of report	NE	381	1	42500 32350
_	Positional Accuracy	Manually positioned to the road within the address or location				_
3	Air Pollution Cont Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	Unipoly Silvertown Ltd Horningslow Road, BURTON-ON-TRENT, Staffordshire, DE East Staffordshire District Council, Environmental Health Department Pg6/20/26(92)001 29th September 1993 Local Authority Air Pollution Control PG6/28 Rubber processes Status of application unknown at time of report	NE	381	1	42500 32350
	Air Pollution Cont	rois				
4	Name: Location: Authority: Permit Reference: Dated: Process Type; Description: Status:	Alpac Alloys Ltd Unit 4,Millers Lane,Derby Street,BURTON-ON-TRENT,Staffordshire,DE14 2NS East Staffordshire District Council, Environmental Health Department PG2/4(91)/008 18th July 1995 Local Authority Air Pollution Control PG2/4 Iron, steel and non-ferrous metal foundry processes Authorisation revoked Automatically positioned to the address	w	368	-1	42429 32340
	Air Pollution Cont	rols				
5	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	T C Harrison Ford Horninglow Street,BURTON UPON TRENT,Staffordshire,DE14 1NR East Staffordshire District Council, Environmental Health Department Pg8/34(82)007 28th September 1995 Local Authority Air Pollution Control PG6/34 Respraying of road vehicles Application has been authorised and any conditions apply to the operator Manually positioned to the road within the address or location	E	452	,	42512 32334

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Air Pollution Contr	ols				
6	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	Alumasc Grundy Ltd Hawkins Lane, BURTON-ON-TRENT, Staffordshire, DE14 1GY East Staffordshire District Council, Environmental Health Department Pg6/15 (92)/001 30th September 1993 Local Authority Air Poliution Control PG6/15 Coating in drum manufacturing and reconditioning processes Authorisation revoked Unknown	N	532	1	424810 323830
	Air Poliution Contr					
6	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	Scaffold And Construction Products,C/O Alumasc Grundy Hawkins Lane,BURTON-ON-TRENT,Staffordshire,DE14 1GY East Staffordshire District Council, Environmental Health Department Pg6/23(97)008 12th December 1997 Local Authority Air Pollution Control PG6/24 Respraying of road vehicles Authorisation revoked	N	532	1	42481 32383
	Air Pollution Conti	rois				
7	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	7th October 1993 Local Authority Air Poliution Control PG6/34 Respraying of road vehicles Authorisation revoked	sw	622	1	42425 32265
	Positional Accuracy	: Automatically positioned to the address		-		
8	Air Pollution Conti Name: Location: Authority; Permit Reference; Dated: Process Type: Description; Status; Positional Accuracy	T L Derby New Street,BURTON-ON-TRENT,Staffordshire,DE14 3QW East Staffordshire District Council, Environmental Health Department	s	622	1	42473 32270
	Air Pollution Cont					
9	Name: Location; Authority: Permit Reference: Dated: Process Type: Description: Status:	Secret & Marriott Ltd Princess Street,BURTON-ON-TRENT,Staffordshire,DE14 2NR East Staffordshire District Council, Environmental Health Department	NW	698	1	42424 32387
	Air Pollution Cont	rols		6.8.4		
10	Name: Location; Authority: Permit Reference: Dated: Process Type; Description: Status:	Alumasc Grundy Ltd Hawkins Lane, BURTON UPON TRENT, Staffordshire, DE14:1PT East Staffordshire District Council, Environmental Health Department Pg4/1(85)001 Not Supplied Local Authority Air Pollution Control PG 4/1 Processes for the surface treatment of metals Authorisation revoked : Manually positioned to the road within the address or location	NE	700	1	42504 32391

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Map D		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
-	Air Pollution Cont	rols				
11	Name: Location: Authority: Permit Reference: Dated: Process Type; Description: Status: Positional Accuracy	Hamer Toyota Moor Street,BURTON-ON-TRENT,Staffordshire,DE14 3SU East Staffordshire District Council, Environmental Health Department PG6/34(92)/002 17th September 1993 Local Authority Air Pollution Control PG6/34 Respraying of road vehicles Authorisation revoked	sw	736	1	42408 32287
	Air Pollution Cont	rols				
12	Name: Location: Authority: Permit Reference; Dated: Process Type: Description: Status: Positional Accuracy	Pentagon (Burton) Derby Road,Stretton,BURTON-ON-TRENT,Staffordshire,DE13 0BJ East Staffordshire District Council, Environmental Health Department PG6/34(92):006 6th October 1993 Local Authority Air Politution Control PG6/34 Respraying of road vehicles Application has been authorised and any conditions apply to the operator Automatically positioned to the address	N	812	1	42473 32412
	Air Pollution Cont	rols				
13	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	AGS Coachbuilders Ltd Hawkins Lane,BURTON-ON-TRENT,Staffordshire,DE14 1PU East Staffordshire District Council, Environmental Health Department PG6/34(92)/004 24th September 1993 Local Authority Air Pollution Control PG6/34 Respraying of road vehicles Application has been authorised and any conditions apply to the operator	NE	827	1	42505 32405
	Positional Accuracy	Unknown				
	Air Pollution Cont	rols				
14	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	W Hawley & Son Ltd Lichfield Road, Branston, BURTON UPON TRENT, Staffordshire, DE13 3WH East Staffordshire District Council, Environmental Health Department Pg3/15/96/)002 15th October 1999 Local Authority Air Pollution Control PG3/4 Lead glass manufacturing processes Application has been authorised and any conditions apply to the operator Manually positioned to the road within the address or location	NE	846	1	42512 32403
	Air Pollution Cont	rols				
15	Name: Location: Authority: Permit Reference; Dated: Process Type: Description: Status: Positional Accurage	Volkscare Garage Hawkins Lane,BURTON-ON-TRENT,Staffordshire,DE14 1QF East Staffordshire District Council, Environmental Health Department Pg1/1(95)/002 30t/1(95)/002 Local Authority Air Pollution Control PG1/1Waste oil burners, less than 0.4MW net rated thermal input Authorisation revoked r. Automatically positioned to the address	NE	872	1	42517 32402
	Air Pollution Cont	rois				
16	Name: Location: Authority: Permit Reference: Dated: Process Type: Description:	Hogdson & Hodgson Ltd Crown Industrial Estate, Anglesey Road, BURTON-ON-TRENT, Staffordshire, DE14 3P/East Staffordshire District Council, Environmental Health Department Pg6/32(92)/002 30th September 1993 Local Authority Air Pollution Control PG6/32 Adhesive coating Application has been authorised and any conditions apply to the operator	sw	874	,	42402 32273

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Air Pollution Conti	rols				
	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	George L. White Ltd Clarence Street Mill, Clarence Street, BURTON-ON-TRENT, Staffordshire, DE14 3LG East Staffordshire District Council, Environmental Health Department PG6/26 (92)/002 8th October 1993 Local Authority Air Pollution Control PG6/26 Animal feed compounding Application has been authorised and any conditions apply to the operator: Automatically positioned to the address	sw	909	1	424160 322560
	Air Poliution Conta	rols				
	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	Morgan (Timber & Boards) Ltd Wharf Road,BURTON-ON-TRENT,Staffordshire,DE14 1 East Staffordshire District Council, Environmental Health Department Pg6/3(95)/001 25th July 1996 Local Authority Air Pollution Control PG6/3 Chemical treatment of timber and wood-based products Application has been authorised and any conditions apply to the operator; Unknown	NE	955	1	42532t 32401t
	Air Poliution Cont					
	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	John Carr (SBK) Ltd Wellington Road,BURTON UPON TRENT,Staffordshire,DE14 2AJ East Staffordshire District Council, Environmental Health Department PG6/33(92)001 30th September 1993 Local Authority Air Pollution Control PG6/33 Wood coating Application since found to be exempt from APC Manually positioned to the road within the address or location	w	964	1	423756 323036
	Discharge Consen	ts				
	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Oischarge Type: Discharge Environment: Receiving Water: Status:	Severn Trent Water Limited Undefined Or Other Midland Joinery & Part Of Green St, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/6032 1 29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act	E	233	2	42490(32330)
	Discharge Consen					
-	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Severn Trent Water Limited Sewerage Network - Sewers - Water Company Station St/High St Junction Sso, Station St/High St Junction, Burton-On-Trent Environment Agency, Midlands Region Upper Trent Catchment T724/21514/0 1 20th May 1992 Not Supplied Not Supplied Public Sewage: Storm Sewage Overflow Freshwater Stream/River River Trent Post National Rivers Authority Legislation where Issue date > 31/08/1989 (Historic	SE	593	2	42505 32286

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
PROTE	Discharge Conser	nts				
22	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Stalus:	Severn Trent Water Limited Sewerage Network - Sewers - Water Company Crown House Storm Overflow, Crown House, New Street, Burton-On-Trent Environment Agency, Midlands Region Upper Trent Catchment T/24/21517/O 1 20th May 1992 Not Supplied Not Supplied Not Supplied Not Supplied Public Sewage: Storm Sewage Overflow Freshwater Stream/River River Trent Post National Rivers Authority Legislation where issue date > 31/08/1989 (Historic only)	S	630	2	42481(32270(
	Positional Accurac	y: Located by supplier to within 10m				
	Discharge Conses	nts				
23		British Rall (London Midland) Not Given South Signal Box, Burton On Trent Station, BURTON UPON TRENT, Staffordshire Environment Agency, Midlands Region Not Given DT/8524/1 Not Supplied Not Supplied 28th May 1963 Not Supplied Sewage Treatment Works - Final Effluent Freshwater Stream/River River Trent (Non-Tidal) Not Supplied y: Located by supplier to within 100m	sw	648	2	42410
	Discharge Conse				_	
24	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Escharge Escharge Escharge Escharge Status:	Severn Trent Water Limited Undefined Or Other Se Of Bank Square & High Street, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt6059 1 29th May 1963 29th May 1963 19th December 2000 Discharge Of Other Matter-Surface Water Freshwater Stream/River River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act y: Located by supplier to within 100m	E	733	2	42540 32330

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Maç ID	17.	Detalle	Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Conse	nts				
25	Operator: Property Type: Location:	Severn Trent Water Limited Undefined Or Other Shobnali Road,Burton On Trent,Burton On Trent	sw	737	2	424000 323000
	Authority: Catchment Area: Reference:	Environment Agency, Midlands Region Upper Trent Catchment Dt/8137				
	Permit Version: Effective Date:	1 30th May 1963				
	Revocation Date: Discharge Type:	30th May 1963 19th December 2000 Discharge Of Other Matter-Surface Water Unknown				
	Discharge Environment: Receiving Water: Status:	Receiving Water Not Defined Application refused - 1961 Rivers (Prevention of Pollution) Act				
_		y: Located by supplier to within 100m				
	Discharge Conse	nts				
25	Operator: Property Type: Location:	Severn Trent Water Limited Undefined Or Other Shobnall Road,Burton On Trent,Burton On Trent	sw	737	2	42400 32300
	Authority: Catchment Area: Reference:	Environment Agency, Midlands Region Upper Trent Catchment Dt/6138				
	Permit Version: Effective Date: Issued Date:	1 30th May 1963 30th May 1963				
	Revocation Date: Discharge Type: Discharge	19th December 2000 Unknown Unknown				
	Environment: Receiving Water: Status:	Receiving Water Not Defined Application refused - 1961 Rivers (Prevention of Pollution) Act				
	Positional Accurac	y: Located by supplier to within 10m				
	Discharge Conse	nts				
26	Operator:	Severn Trent Water Limited	E	738	2	42540
	Property Type: Location: Authority:	Undefined Or Other Wetmoor Bus Park & Adjoining Areas, Burton On Trent, Burton On Trent Environment Agency, Midlands Region				32340
	Catchment Area: Reference: Permit Version:	Upper Trent Catchment Dt/6060 1				
	Effective Date: Issued Date: Revocation Date:	29th May 1963 29th May 1963 19th December 2000				
	Discharge Type: Discharge Environment:	Discharge Of Other Matter-Surface Water Freshwater Stream/River				
	Receiving Water: Status:	River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act y: Located by supplier to within 100m				
	Discharge Conse					
28	Operator:	Orbit Housing Association	Е	787	2	42545
20	Property Type: Location: Authority:	Undefined Or Other Trent Bridge House 8 Meadow Road, Burton On Trent, Burton On Trent, Staffordshire Environment Agency, Midlands Region	-	101	•	32340
	Catchment Area: Reference: Permit Version:	Upper Trent Catchment T2410041s				
	Effective Date: Issued Date: Revocation Date:	28th March 1985 Not Supplied Not Supplied Sevence Discharges - Final/Treated Effluent - Not Water Company				
	Discharge Type: Discharge Environment:	Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River				
	Receiving Water: Status:	R Trent Pre National Rivers Authority Legislation where issue date < 01/09/1989 (Historic only) y: Located by supplier to within 10m)			

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Map ID		Detalis	Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Consen	ts				
26	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Issued Date: Discharge Type: Olscharge Environment: Receiving Water: Status:	Mr J M & Mrs L L G Brown Domestic Property (Single) 3 Meadow Road,Burton-On-Trent,Staffordshire Environment Agency, Midlands Region Upper Trent Catchment Wq/72/59 1 23rd May 1975 23rd May 1975 Not Supplied Unknown Groundwater Underground Strata Pre National Rivers Authority Legislation where Issue date < 01/09/1989 (Historic only: Located by supplier to within 100m	E	837	2	42550(32340)
	Discharge Consen					
27	Operator: Property Type: Location:	Severn Trant Water Limited Sewerage Network - Sewers - Water Company Casey Lane/Grange Close Jcn Sso,Casey Lane/Grange Close Junction,Burton-On- Trent	NW	774	2	42398 32367
	Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type:	Environment Agency, Midlands Region Upper Trent Catchment T/24/21518/O 1 18th May 1992 Not Supplied Not Supplied Public Sewage: Storm Sewage Overflow Freshwater Stream/River				
	Discharge Environment: Receiving Water: Status:	River Trent Post National Rivers Authority Legislation where issue date > 31/08/1989 (Historic				
	Positional Accuracy	only) : Located by supplier to within 10m				
	Discharge Consen					
26	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment:	Severn Trent Water Limited Undefined Or Other Trent Bridge,Burton On Trent,Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment DV6047 1 29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River	E	828	2	42550 32331
	Receiving Water: Status: Positional Accuracy	River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act : Manually corrected supplier location				

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via p D		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Conser	ta				
28	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date:	Severn Trent Water Limited Undefined Or Other Trent Bridge,Burton On Trent,Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/6048 1 29th May 1963 29th May 1963	E	828	2	42550 32330
	Revocation Date: Discharge Type: Discharge Environment: Receiving Water.	19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River River Trent				
	Status: Positional Accuracy	Application refused - 1961 Rivers (Prevention of Poliution) Act Manually corrected supplier location				
	Discharge Conser					
26	Operator: Property Type: Location: Authority: Catchment Area: Reference:	Severn Trent Water Limited Undefined Or Other Trent Bridge, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/6049	E	828	2	42550 32330
	Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment:	1 29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River				
	Receiving Water: Status:	River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act				
	Positional Accurac	Manually corrected supplier location				
	Discharge Conse	nts				
26	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version:	Severn Trent Water Limited Undefined Or Other Trent Bridge, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/6050 1	E	828	2	42550 32329
	Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water:	29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River				
	Status:	Application refused - 1961 Rivers (Prevention of Pollution) Act				
_		y: Manually corrected supplier location				
	Discharge Conse		_	000		40000
28	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version:	Severn Trent Water Limited Undefined Or Other Burton Corporation Public Baths, Burton On Trent, Staffordshire Environment Agency, Midlands Region Upper Trent Catchment DN/6039	E	833	2	42550 32330
	Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment:	29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River				
	Receiving Water: Status:	River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act y: Located by supplier to within 100m				

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Conse	nts				
28	Operator: Property Type: Location: Authority: Catchment Area: Reference:	Severn Trent Water Limited Undefined Or Other Burton Corporation Public Baths, Burton On Trent, Staffordshire Environment Agency, Midlands Region Upper Trent Catchment 0//6042	E	833	2	425500 323300
	Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type:	1 29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River				
	Discharge Environment: Receiving Water: Status: Positional Accurac	River Trent Application refused - 1961 Rivers (Prevention of Poliution) Act y: Manually corrected supplier location				
	Discharge Conse					
	Operator: Property Type: Location: Authority: Catchment Area: Reference:	Severn Trent Water Limited Undefined Or Other Trent Bridge, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/6046	E	833	2	42550 32331
	Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge	1 29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River				
	Environment: Receiving Water: Status: Positional Accurate	River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act William Manually corrected supplier location				
-	Discharge Conse					
28	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type:	Severa Trent Water Limited Undefined Or Other Trent Bridge, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/6051 1 29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company	E	834	2	42550 32330
	Discharge Environment: Receiving Water: Status: Positional Accuracy	Freshwater Stream/River River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act Cocated by supplier to within 10m				
	Discharge Conse	nts				
28	Operator: Property Type: Location: Authority: Catchment Area: Reference; Permit Version:	Severn Trent Water Limited Undefined Or Other Trent Bridge, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/6052	E 834	2	42550 32330	
	Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water:	29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River River Trent				
	Status:	Application refused - 1961 Rivers (Prevention of Pollution) Act y: Located by supplier to within 10m				

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Map ID		Details.	Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Conser	nts				
28	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date:	Severn Trent Water Limited Undefined Or Other Trent Bridge, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/8053 1 29th May 1983	E	834	2	425500 323300
	fissued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act				
-	Positional Accurac	y: Located by supplier to within 10m				_
28	Operator: Property Type: Location: Authority: Catchment Area:	Severn Trent Water Limited Undefined Or Other Trent Bridge, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment	E	834	2	425500 323300
	Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment:	Dt/6054 1 29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Unknown				
	Receiving Water: Status:	Receiving Water Not Specified Application refused - 1961 Rivers (Prevention of Pollution) Act y: Located by supplier to within 10m				
28		Severn Trent Water Limited Undefined Or Other Trent Bridge, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment DI/6055 1 29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act y: Located by supplier to within 10m	E	634	2	42550(32331(
28	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Severn Trent Water Limited Undefined Or Other Trent Bridge, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/8056 1 29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act	E	834	2	42550 32331

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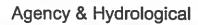
Date:



Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
П	Discharge Conse					
28	Operator: Property Type: Location: Authority: Catchment Area; Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Recaiving Water: Status:	Severn Trent Water Limited Undefined Or Other Trent Bridge, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Ot/6057 1 29th May 1963 29th May 1963 19th December 2000 Sewage Olscharges - Unspecified - Water Company Freshwater Stream/River River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act	E	834	2	42550 32330
_		y: Located by supplier to within 10m				_
28	Discharge Conset Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water; Status: Positional Accurace	Severn Trent Water Limited Undefined Or Other Trent Bridge,Burton On Trent,Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/6043 1 29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/River River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act	E	538	2	42551 32330
	Discharge Conse					
28	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accurace	Severn Trent Water Limited Undefined Or Other Trent Bridge, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Du6044 1 29th May 1963 29th May 1963 19th December 2000 Discharge Of Other Matter-Surface Water Freshwater Stream/River River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act y: Manually corrected supplier location	E	838	2	4255 ⁻ 32330
28	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Periting Agencies	Severn Trent Water Limited Undefined Or Other Trent Bridge, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/6045 1 29th May 1963 29th May 1963 19th December 2000 Sewage Discharges - Unspecified - Water Company Freshwater Stream/Fuver River Trent Application refused - 1961 Rivers (Prevention of Pollution) Act y: Manually corrected supplier location	E	838	2	4255 3233

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Maj JO		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Conse	nts				
28	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Ansells Ltd Not Given Cricketers Arms, Meadow Lane, BURTON UPON TRENT, Staffordshire Environment Agency, Midlands Region Not Given 3/28/24/2513/1 Not Supplied Not Supplied 21st January 1974 Not Supplied Sewage Effluent Groundwater Not Supplied Not Supplied Not Supplied Not Supplied	E	838	2	42551 32331
		y: Located by supplier to within 100m				
	Discharge Conse	nts				
29	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accurace	Severn Trent Water Limited Undefined Or Other Shobnall Road,Burton On Trent,Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment DU6135 1 30th May 1963 30th May 1963 19th December 2000 Discharge Of Other Matter-Surface Water Unknown Receiving Water Not Defined Application refused - 1961 Rivers (Prevention of Pollution) Act y: Located by supplier to within 100m	w	829	2	423900 323000
	Discharge Conse					
29	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Severn Trent Water Limited Undefined Or Other Shobnall Road, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/8136 1 30th May 1963 30th May 1963 19th December 2000 Discharge Of Other Matter-Surface Water Unknown Receiving Water Not Defined Application refused - 1961 Rivers (Prevention of Poliution) Act y: Located by supplier to within 10m	w	829	2	423900 323000
30	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Mr G.J Bennett Not Given 4 Meadow Road,BURTON UPON TRENT,Staffordshire Environment Agency, Midlands Region Not Given WQ/72/57/1 Not Supplied Not Supplied 23rd May 1975 Not Supplied Sewage Effluent Groundwater Not Supplied Not Supplied Located by supplied	E	836	2	425500 323400

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Map ID		Details .	Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Conser	nts				
30	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Oischarge Environment: Receiving Water: Status: Positional Accurace	Miss Ma Madeley Domestic Property (Single) 7 Meadow Road,Burton On Trent,Staffordshire Environment Agency, Midlands Region Upper Trent Catchment Wq/72/60 1 23rd May 1975 23rd May 1975 Not Supplied Unknown Groundwater Underground Strata Pre National Rivers Authority Legislation where issue date < 01/09/1989 (History Located by supplier to within 10m	eric only)	837	2	42550(32340)
	Discharge Conse					
30		Miss L Mellor Not Given 6 Meadow Road, BURTON UPON TRENT, Staffordshire Environment Agency, Midlands Region Not Given WQ/72/159/1 Not Suppiled Not Suppiled Sth September 1975 Not Suppiled Sewage Effluent Groundwater Not Suppiled Not Suppiled Not Suppiled Y. Located by suppiler to within 100m	E	856	2	42552: 32340:
30	Discharge Conset Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Mr A A Parr Not Given 5 Meadow Road, BURTON UPON TRENT, Staffordshire Environment Agency. Midlands Region Not Given WQ/72/58/1 Not Supplied Not Supplied 23rd May 1975 Not Supplied Sewage Effluent Groundwater Not Supplied Not Supplied	Ε	857	2	42552 32340

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Conse	nts				
31	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Coors Brewers Limited Undefined Or Other Burton Brewery, 107 Station Street, Burton On Trent, Staffordshire, De14 1bz Environment Agency, Midlands Region Upper Trent Catchment T2430232t 1 14th November 1995 14th November 1995 Not Supplied Trade Discharge - Process Water Freshwater Stream/River River Trent Post National Rivers Authority Legislation where issue date > 31/08/1989 (Historic	NE	852	2	42540(32375)
	Positional Accurac	only) y: Located by supplier to within 100m				
	Discharge Conset					
32	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accurace	Midlands Electricity Ptc Undefined Or Other Sports Pavilion, Meadow Road, Burton On Trent, Staffordshire Environment Agency, Midlands Region Upper Trent Catchment T/24/00948/S 1 30th May 1964 30th May 1964 Not Suppiled Unknown Freshwater Stream/River River Trent (Non-Tidal) Pre National Rivers Authority Legislation where issue date < 01/09/1989 (Historic only yt Located by suppiler to within 100m	E	853	2	42550(32350(
	Discharge Conse	nts				
33	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Severn Trent Water Limited Undefined Or Other Shobnell Road,Burton On Trent,Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/8133 1 30th May 1963 30th May 1963 19th December 2000 Discharge Of Other Matter-Surface Water Unknown Receiving Water Not Defined Application refused - 1961 Rivers (Prevention of Pollution) Act	w	893	2	42380¢ 32310¢

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Conser	nts				
33	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accuracy	Severn Trent Water Limited Undefined Or Other Shobnall Road, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/6134 1 30th May 1963 30th May 1963 19th December 2000 Discharge Of Other Matter-Surface Water Unknown Receiving Water Not Defined Application refused - 1961 Rivers (Prevention of Pollution) Act y: Located by supplier to within 10m	w 	893	2	42380(
	Discharge Conser	nts				
34	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type; Discharge Environment: Receiving Water: Status:	Errington Laboratories Limited Undefined Or Other Laboratory At Crown Industrial Est, Anglesey Road, Burton On Trent, Staffordshire Environment Agency, Midlands Region Upper Trent Catchment T2408978t 1 6th August 1992 Not Supplied Not Supplied Not Supplied Trade Discharges - Cooling Water Freshwater Straam/River Tatenhill Bk Post National Rivers Authority Legistation where issue date > 31/08/1989 (Historic only) y: Located by supplier to within 100m	SW	921	2	42399 32269
	Discharge Conser			<u> </u>		
34	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Issued Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Errington Laboratories Limited Not Given Crown Industrial Estate, Anglesey Road, BURTON UPON TRENT, Staffordshire Environment Agency, Midlands Region Not Given WQ/7/1978/1 Not Supplied Not Supplied 30th March 1983 Not Supplied Trade Discharge - Process Water Freshwater Stream/River The Lawns Brook Not Supplied Y. Located by supplier to within 100m	sw	924	2	42399(32269(





Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Conser	nte				
35	Operator: Property Type:	Severn Trent Water Limited Sewerage Network - Sewers - Water Company	S	925	2	424970 322440
	Location:	Fleet Street/Green Street Jcn Sso Fleet Street/Green Street,Burton-On- Trent,Staffordshire				
	Authority: Catchment Area:	Environment Agency, Midlands Region Upper Trent Catchment				
	Reference:	T/24/21523/O				
	Permit Version: Effective Date:	20th May 1992				
	Issued Date:	Not Supplied				
	Revocation Date:	Not Supplied				
	Discharge Type:	Public Sewage: Storm Sewage Overflow				
	Discharge Environment:	Freshwater Stream/River				
	Recaiving Water:	River Trent				
	Status:	Post National Rivers Authority Legislation where issue date > 31/08/1989 (Historic only)				
_		y: Located by supplier to within 10m				
	Discharge Conse			_	10505	
35	Operator:	Severn Trent Water Limited	S	972	2	42500 32240
	Property Type:	Undefined Or Other				32240
	Location:	Fleet Street Area & Technical, College, Burton On Trent				
	Authority:	Environment Agency, Midlands Region				
	Catchment Area:	Upper Trent Catchment Dt/6033				
	Reference:	1				
	Permit Version:	29th May 1963				
	Effective Date:	29th May 1963				
		19th December 2000				
	Revocation Date:	Sewage Discharges - Unspecified - Water Company				
	Discharge Type: Discharge Environment:	Freshwater Stream/River				
	Receiving Water:	River Trent				
	Status:	Application refused - 1961 Rivers (Prevention of Pollution) Act				
		y: Located by supplier to within 100m				_
	Discharge Conse					
35	Operator:	Severn Trent Water Limited	\$	976	2	42500
	Property Type:	Undefined Or Other				32240
	Location:	Technical Coilege, Burton On Trent Burton On Trent				
	Authority:	Environment Agency, Midlands Region				
	Catchment Area:	Upper Trent Catchment				
	Reference:	D/6034				
	Permit Version:	29th May 1963				
	Effective Date:	29th May 1963				
	Revocation Date:	19th December 2000				
	Discharge Type:	Sewage Discharges - Unspecified - Water Company				
	Discharge Environment:	Freshwater Stream/River				
	Receiving Water:	River Trent				
	Status:	Application refused - 1961 Rivers (Prevention of Pollution) Act				
	Bositional Acquirer	y: Manually corrected supplier location				



Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Conser	its				
36	Operator; Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Discharge Type:	Severn Trent Water Limited Not Given Draining The Elms Road Area Of,BURTON UPON TRENT Environment Agency, Midlands Region Not Given T/24/01987/0/1 Not Supplied Not Supplied 14th June 1967 Not Supplied Sewerage And Other Matter Discharge - Sewerage And Surface Water	SE	978	2	4255(3228)
	Discharge Environment: Receiving Water: Status:	Freshwater Stream/River River Trent (Non-Tidal) Not Supplied Located by supplier to within 100m				
	Discharge Conse					
37	Operator: Property Type: Location: Authority: Catchment Area: Reference:	Severn Trent Water Limited Undefined Or Other Shobnall Road,Burton On Trent,Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment DV6129	w	990	2	42370 32310
	Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	30th May 1963 30th May 1963 19th December 2000 Discharge Of Other Matter-Surface Water Unknown Receiving Water Not Defined Application refused - 1961 Rivers (Prevention of Pollution) Act				
	Positional Accurac	Located by supplier to within 10m				
	Discharge Conse	nts				
37	Operator: Property Type; Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accurace	Severn Trent Water Limited Undefined Or Other Shobnall Road,Burton On Trent,Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment DU6130 1 30th May 1963 30th May 1963 19th December 2000 Discharge Of Other Matter-Surface Water Unknown Recalving Water Not Defined Application refused - 1961 Rivers (Prevention of Poliution) Act y: Located by supplier to within 10m	w	990	2	4237(3231)
	Discharge Conse		w	990	2	4237
37	Operator: Property Type; Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Severn Trent Water Limited Undefined Or Other Shobnall Road,Burton On Trent,Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/6131 1 30th May 1963 30th May 1963 19th December 2000 Discharge Of Other Matter-Surface Water Unknown Receiving Water Not Defined Application refused - 1961 Rivers (Prevention of Poliution) Act y: Located by supplier to within 10m			-	3231

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Map ID		Detalls	Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Consen	ts				
37	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Discharge Type: Discharge Environment: Receiving Water: Status:	Severn Trent Water Limited Undefined Or Other Shobhall Road, Burton On Trent, Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment Dt/6132 1 30th May 1963 30th May 1963 19th December 2000 Discharge Of Other Matter-Surface Water Unknown Receiving Water Not Defined Application refused - 1961 Rivers (Prevention of Poliution) Act	W	990	2	423700 323100
		Located by supplier to within 10m				
37	Discharge Consent Operator: Property Type: Location: Authority: Catchment Area: Reference:	Severn Trent Water Limited Undefined Or Other Shobnall Road,Burton On Trent,Burton On Trent Environment Agency, Midlands Region Upper Trent Catchment DV612B	w	991	2	42370 32310
	Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water:	1 30th May 1963 30th May 1963 19th December 2000 Discharge Of Other Matter-Surface Water Unknown Receiving Water Not Defined				
	Status:	Application refused - 1961 Rivers (Prevention of Pollution) Act Located by supplier to within 100m				
38	Integrated Pollution Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	Coors Brewers Ltd BASS BURTON C BREWERY, STATION STREET, BURTON-ON- TRENT, STAFFORDSHIRE, DE14 1BZ Environment Agency, Midlands Region Br7186 Not Supplied IPC minor (non-substantial) variation to previous variation 1.3 A (A) Combustion processes within the Fuel & Power Industry Application has met the requirements for authorisation (but not yet authorised) r: Manually positioned to the address or location	w	191	2	42448 32328
	Integrated Poliution					
39	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy Integrated Pollution	Coors Brewers Ltd Bass Burton C Brewery; P O Box 15,107 Station Street,BURTON-ON- TRENT,Staffordshire,DE14 1BZ Environment Agency, Midlands Region BA7921 27th July 1998 IPC minor (non-substantial) variation to previous variation 1.3 A (A) Combustion processes within the Fuel & Power Industry Authorisation superseded by a substantial or non substantial variation r: Unknown	s	236	2	42465 32308
39	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	Coors Brewers Ltd 107 Station Street,BURTON-ON-TRENT,Staffordshire,DE14 1 Environment Agency, Midlands Region AV7139 9th September 1996 IPC minor (non-substantial) variation to previous variation 1.3 A (A) Combustion processes within the Fuel & Power Industry Authorisation superseded by a substantial or non substantial variation	s	241	2	42465 32307

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Integrated Pollution	on Controls				
39	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	Coors Brewers Ltd Bass Burton C Brewery, Station Street, BURTON-ON-TRENT, Staffordshire, DE14 1BZ Environment Agency, Midlands Region BE3715 24th November 1998 IPC minor (non-substantial) variation to previous variation 1.3 A (A) Combustion processes within the Fuel & Power Industry Application has been authorised and any conditions apply to the operator Unknown	S	246	2	42464 32307
	Integrated Pollutio	on Controls				
39	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	Coors Brewers Ltd P O Box 15,107 Station Street,BURTON-ON-TRENT,Staffordshire,DE14 1BZ Environment Agency, Midlands Region AA2828 17th January 1992 IPC new application 1.3 A (A) Combustion processes within the Fuel & Power Industry Authorisation superseded by a substantial or non substantial variation	S	246	2	42465 32307
	Integrated Pollution	on Controls				
40	Name: Location: Authority: Permit Reference; Dated; Process Type; Description: Status:	28th January 1992 IPC new application 1.3 A (A) Combustion processes within the Fuel & Power Industry Authorisation superseded by a substantial or non substantial variation	S	323	2	42460 32300
_		Manually positioned to the address or location				_
41	Integrated Pollution Name: Location: Authority: Permit Reference: Dated: Process Type:	Coors Brewers Ltd CENTRAL BOILER HOUSE, CROSS STREET, BURTON-ON- TRENT, STAFFORDSHIRE, DE14 1JZ Environment Agency, Midlands Region	SW	422	2	42447(32294)
	Description: Status:	Authorisation revoked Manually positioned to the road within the address or location		,		
	Integrated Pollution					
42	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Alumasc-grundy Ltd Hawkins Lane, BURTON-ON-TRENT, Staffordshire, DE14 1GY Environment Agency, Midlands Region	N	527	2	42481(32382(
	Integrated Pollution	n Controls				
42	Name: Location: Authority: Permit Reference: Dated: Process Type: Description; Status:	Alumasc-grundy Ltd Hawkins Lane, BURTON-ON-TRENT, Staffordshire, DE14 1PT Environment Agency, Midlands Region BC7647 24th November 1998 IPC minor (non-substantial) variation to previous variation 4.3 A (F) Acid processes within the Chemical Industry Authorisation revoked	N	527	2	424810 323820

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Integrated Pollutio	n Controls				
43	Name: Location; Authority: Permit Reference; Dated: Process Type; Description; Status; Positional Accuracy	Coors Brewers Ltd 137 High Street,BURTON-ON-TRENT,Staffordshire,DE14 1JZ Environment Agency, Midlands Region AP8918 21st March 1995 IPC minor (non-substantial) variation to previous variation 1,3 A (A) Combustion processes within the Fuel & Power Industry Authorisation superseded by a substantial or non substantial variation Automatically positioned to the address	SE	572	2	42515 32301
	Integrated Pollutio	n Controls				
44	Name: Location; Authority: Permit Reference: Dated: Process Type: Description; Status; Positional Accuracy	Rugby Joinery Pic Wellington Road, BURTON-ON-TRENT, Staffordshire, DE14 2AJ Environment Agency, Midlands Region AU7222 30th December 1996 IPC new application 6,7 A (A) Timber processes within Miscellaneous Industries Authorisation revoked Automatically positioned to the address	W	935	2	42378 32303
		to Controlled Waters				
45		Trent Catchment : Trent To Confluence With Dove Watercourse	NW	188	2	42450 32340
	Pollution incidents	to Controlled Waters				
46	Positional Accuracy	Trent Catchment: Trent To Confluence With Dove Watercourse Accidental Spitlage/Leakage Category 3 - Minor Incident Located by supplier to within 100m	sw	202	2	42450 32320
	Poliution incidents	to Controlled Waters				
47		Road (Road Traffic Accident) 3 Trent Street, BURTON-ON-TRENT, Staffordshire, DE14 3AP Environment Agency, Midlands Region Oils - Petrol Unknown Watercourse; 6 Gallions Of Patrol To Roadway Some To Drains; Other Adverse Effects; 18th September 1999 2003785 Trent Catchment : Trent To Confluence With Dove Watercourse Collision Category 3 - Minor Incident	E	633	2	42530 32330

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	Pollution Incidents	to Controlled Waters				
48	Positional Accuracy	Trent Catchment: Trent To Confluence With Dove Watercourse Other Incident/Unknown Category 3 - Minor Incident Located by supplier to within 100m	E	848	2	425516 323416
	Pollution Incidents	to Controlled Waters				
49		Miscellaneous Premises: Unknown Wetmore Road, Burton-on-trent Environment Agency, Midlands Region Organic Westes: Animal Carcasses Trent; Dead Swan; Wildlife Affected 4th January 1996 2700380 Trent Catchment: Trent To Confluence With Dove Watercourse Other Incident/Unknown Category 3 - Minor Incident Located by supplier to within 100m	NE	852	2	425450 323650
	Pollution Incidents	to Controlled Waters				
50		Miscellaneous Premises: Unknown Rear Of Market Place, BURTON Environment Agency. Midlands Region Organic Wastes: Animal Carcasses Amenity Affected: Dead Swan In River 23rd November 1996 2701907 Trent Catchment: Trent To Confluence With Dove Watercourse Miscellaneous/Other Pollution Type Category 3 - Minor Incident Located by supplier to within 100m	SE	972	2	425200 322500
	Pollution incidents	to Controlled Waters				
51	Severity of Incident:	Industrial: Other Focus , Wellington Road, BURTON ON TRENT Environment Agency, Midlands Region Chemicals - Acid Amenity Affected; Battery Acid Spilt To Ground 14th August 1998 2704684 Trent Catchment : Trent To Confluence With Dove Watercourse Accidental Spillage/Leakage Category 3 - Minor Incident Located by supplier to within 100m	W	990	2	423700 323110
	Registered Radioa					
52	Name: Location: Authority:	Albrew Malters Ltd 107 Station Street, BURTON-ON-TRENT, Staffordshire, DE14 18Z Environment Agency, Midlands Region Al1418 31st March 1991 Not Supplied Registration under S7 or S10 RSA for 1 or more closed sources =< 4 Terabecquerels also for storage in transit Authorisation either revoked or cancelled	N	48	2	424680 323360

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Map D		Dictalis	Compass Direction	Estimated Distance From Site	Contact	NGR
	Registered Radioa	ctive Substances				
52	Name: Location: Authority: Permit Reference: Dated: Process Type:	Carlsberg Tetley Brewing Ltd Ind Coope Brewery, 107 Station Street, BURTON-ON-TRENT, Staffordshire, DE14 1BZ Environment Agency, Midlands Region AM4967 13th April 1994 Registration under S7 RSA for the keeping and use of Radioactive materials (was	N	53	2	424680 323370
	Description:	RSA60 S1) Substantial variation to a registration under S7 or S10 RSA for 1 or more closed sources =< 4 Terabecquerels also for storage in transit				
	Status: Positional Accuracy	Authorisation either revoked or cancelled Unknown				
	Registered Radios	ctive Substances				
53	Name: Location: Authority: Permit Reference:	Carlsberg Tetley Brewing Ltd Ind Coope Brewery,107 Station Street,BURTON-ON-TRENT,Staffordshire,DE14 1BZ Environment Agency, Midlands Region Al1400	sw	190	2	42452 32320
	Dated: Process Type:	31st March 1991 Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)				
	Description:	Registration under S7 or S10 RSA for 1 or more closed sources =< 4 Terabecquerels also for storage in transit Authorisation superseded by a substantial or non substantial variation				
	Status: Positional Accuracy	Authorisation superseded by a substantial or non substantial variation. Automatically positioned to the address				
	Registered Radios	ctive Substances				
53	Name: Location: Authority: Permit Reference: Dated: Process Type:	Carlsberg Tetley Brewing Ltd Ind Coope Brewery, 107 Station Street, BURTON-ON-TRENT, Staffordshire, DE14 18Z Environment Agency, Midlands Region AH9294 22nd February 1993 Registration under S7 RSA for the keeping and use of Radioactive materials (was	SW	190	2	42452 32320
	Description:	RSA60 S1) Minor variation to registration under S7 or S10 RSA for 1 or more closed sources =< Terabecquerels also for storage in transit Authorisation superseded by a substantial or non substantial variation	4			
	Positional Accuracy	Automatically positioned to the address				
	Registered Radios	ctive Substances				
54	Name: Location:	Coors Brewers Ltd Burton Brewery,Po Box 217,Station Street,BURTON-ON-TRENT,Staffordshire,DE14 1BG	S	241	2	42464 32307
	Authority: Permit Reference: Dated:	Environment Agency, Midlands Region BB5827 22nd October 1998				
	Process Type: Description:	Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Registration under S7 or S10 RSA for 1 or more closed sources =< 4 Terabecquerels	i			
	Status:	also for storage in transit Authorisation superseded by a substantial or non substantial variation Automatically positioned to the address				
	Registered Radios					
	Name:	Coors Brewers Ltd	s	241	2	42464
54	Location:	Burton Brewery,Po Box 217,Station Street,BURTON-ON-TRENT,Staffordshire,DE14 1BG			_	32307
	Authority: Permit Reference: Dated:	Environment Agency, Midlands Region BI1617 16th June 2000				
	Process Type:	Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Minor variation to registration under S7 or S10 RSA for 1 or more closed sources =<	4			
	Description:	Terabecquerels also for storage in transit Authorisation superseded by a substantial or non substantial variation				

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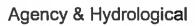
Date: 10-Apr-2003



Map D		Details	Compass Direction	Estimated Distance From Site	Contact	NGF
	Registered Radioa	ctive Substances				
55	Name: Location:	Coors Brewers Ltd Canning Department; Coopers House, Middle Premises, Guild Street, BURTON-ON-TRENT, Staffordshire, DE14 1NA	E	253	2	42492 32326
	Authority: Permit Reference:	Environment Agency, Midlands Region AU2239				
	Dated: Process Type:	2nd July 1996 Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)				
	Description:	Minor variation to registration under S7 or S10 RSA for 1 or more closed sources =< 4 Terebecquerels also for storage in transit Authorisation either revoked or cancelled				
	Status: Positional Accuracy					
	Registered Radios	active Substances				
55	Name: Location:	Coors Brewers Ltd Canning Department; Coopers House, Middle Premises, Guild Street, BURTON-ON-TRENT, Staffordshire, DE14 1NA	E	254	2	42492 32320
	Authority: Permit Reference:	Environment Agency, Midlands Region AN4261				
	Dated: Process Type:	31st March 1991 Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)				
	Description:	Registration under S7 or S10 RSA for 1 or more closed sources =< 4 Terabecquerels also for storage in transit Authorisation superseded by a substantial or non substantial variation				
	Status: Positional Accuracy					
	Registered Radios	ctive Substances				
56	Name:	Briggs Of Burton Pic	NW	466	2	4243
	Location: Authority:	Trent Works, Derby Street, BURTON-ON-TRENT, Staffordshire, DE14 2LH Environment Agency, Midlands Region				3236
	Permit Reference: Dated:	AA1325 9th August 1991				
	Process Type:	Registration under S10 RSA for the keeping and use of mobile Radioactive sources (was RSA60 S3)				
	Description:	Registration under the Act for 1 or more mobile sources other than a tracer test source dated pre April 1991 Application has been authorised and any conditions apply to the operator	•			
	Status: Positional Accuracy	r Manually positioned to the road within the address or location				
	Registered Radios	ctive Substances				
57	Name:	Lookers Motors Ltd	E	470	2	4251
	Location: Authority:	Lookers (Burton), Horninglow Street, BURTON-ON-TRENT, Staffordshire, DE14 1NR Environment Agency, Midlands Region				3233
	Permit Reference:					
	Dated: Process Type:	Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)				
	Description:	Registration under S7 or S10 RSA for 1 or more closed sources =< 4 Terabecquerels also for storage in transit				
	Status: Positional Accuracy	Authorisation either revoked or cancelled				
	Registered Radios					
58	Name:	Coors Brewers Ltd	SE	559	2	4251
-	Location:	Burton Brewery,Po Box 217,Station Street,BURTON-ON-TRENT,Staffordshire,DE14 1BG				3230
	Authority: Permit Reference:	Environment Agency, Midlands Region 9s1465				
	Dated: Process Type:	24th May 2002 Registration under S7 RSA for the keeping and use of Radioactive materials (was				
	Description:	RSA60 S1) Minor variation to registration under S7 or S10 RSA for 1 or more closed sources =< 4 Terabecquerels also for storage in transit				
	Status:	Application has been authorised and any conditions apply to the operator Manually positioned to the road within the address or location				

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
-	Registered Radios	ctive Substances				
58	Name: Location: Authority:	Coors Brewers Ltd Research Laboratory,137 High Street,BURTON-ON-TRENT,Staffordshire,DE14 1JZ Environment Agency, Midlands Region	SE	563	2	425130 323000
	Permit Reference: Dated: Process Type:	AC8517 31st March 1991 Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)				
	Description:	Registration under S7 or S10 RSA for 1 or more closed sources < 4 Terabecquerels also for storage in transit Authorisation either revoked or cancelled				
	Status: Positional Accuracy	r. Manually positioned to the address or location				
	Registered Radios	ctive Substances				
58	Name: Location: Authority: Permit Reference: Dated: Process Type: Description:	Coors Brewers Ltd Research Laboratory,137 High Street,BURTON-ON-TRENT,Staffordshire,DE14 1JZ Environment Agency, Midlands Region AC8509 31st March 1991 Not Supplied Registration under the Act of an open source which is also the subject of an authorisation	SE	567	2	42514(32300)
	Status: Positional Accuracy	Authorisation either revoked or cancelled r: Manually positioned to the address or location				
	Registered Radios					
58	Name: Location: Authority: Permit Reference: Dated: Process Type:	Coors Brewers Ltd Research Laboratory,137 High Street,BURTON-ON-TRENT,Staffordshire,DE14 1JZ Environment Agency, Midlands Region AC2829 31st March 1991 Registration under S7 RSA for the keeping and use of Radioactive materials (was	ŞE	570	2	42514 32299
	Description: Status: Positional Accuracy	RSA60 S1) Authorisation under RSA Authorisation either revoked or cancelled r. Manually positioned to the address or location				
	Registered Radios	nctive Substances				
58	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy	Coors Brewers Ltd Research Laboratory,137 High Street,BURTON-ON-TRENT,Staffordshire,DE14 1JZ Environment Agency, Midlands Region AC8495 31st March 1991 Not Supplied Authorisation under RSA Authorisation either revoked or cancelled Manually positioned to the address or location	SE	571	2	42514 32300
	Registered Radios	active Substances				
58	Name: Location: Authority: Permit Reference: Dated: Process Type: Description:	Coors Brewers Ltd Research Laboratory,137 High Street,BURTON-ON-TRENT,Staffordshire,DE14 1JZ Environment Agency, Midlands Region	SE	573	2	42514 32299
	Status:	Authorisation either revoked or cancelled Manually positioned to the address or location				



Map ID	(() () () () ()	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Registered Radioa	ctive Substances				
58	Name: Location: Authority: Permit Reference: Dated: Process Type: Description:	Coors Brewers Ltd Research Laboratory,137 High Street,BURTON-ON-TRENT,Staffordshire,DE14 1JZ Environment Agency, Midlands Region AC6751 31st March 1991 Registration under S7 RSA for the keeping and use of Redioactive materials (was RSA60 S1) Registration under the Act of an open source which is also the subject of an	SE	574	2	42514 32299
	Status: Positional Accuracy	authorisation Application has been authorised and any conditions apply to the operator Manually positioned to the address or location				
	Registered Radioa					
58	Name; Location: Authority; Permit Reference; Dated;	Coors Brewers Ltd Research Leboratory,137 High Street,BURTON-ON-TRENT,Staffordshire,DE14 1JZ Environment Agency, Midlands Region AC6719 31st March 1991	SE	577	2	42514 32299
	Process Type: Description:	Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Registration under S7 or S10 RSA for 1 or more closed sources =< 4 Terabecquerels				
	Status: Positional Accuracy	also for storage in transit Authorisation either revoked or cancelled : Manually positioned to the address or location				
	Registered Radioa					
59	Name: Location: Authority: Permit Reference: Dated: Process Type:	British Telecommunications Pic Hawkins Lane, BURTON-ON-TRENT, Staffordshire, DE14 1SR Environment Agency, Midlands Region AD0783 31st March 1991 Registration under S10 RSA for the keeping and use of mobile Radioactive sources (was RSA60 S3)	NE	745	2	42507 32394
	Description: Status: Positional Accuracy	Registration under the Act for 1 or more mobile sources other than a tracer test source Authorisation either revoked or cancelled Unknown				
	River Quality					
	Name: GQA Grade: Reach: Estimated Distance of Reach (km): Flow Rate: Flow Type:	Trent R River Quality C Conf. Darklands Bk To Claymills Stw 7 Flow less than 40 cumecs River	E	832	3	42549 32322
_	Year:	2000				_
	Water Abstractions			000		
60	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start:	Bass Brewers Limited 03/28/24/0113 1 Station Street Tubes - 6 Boreholes Environment Agency, Midlands Region Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April	SW	150	2	42457 32320
	Authorised End: Permit Start Date: Permit End Date: Permit End Date:	31 March 4th January 1998 Not Supplied : Located by supplier to within 10m				

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR		
	Water Abstraction							
60	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source:	Bass Brawers Limited 03/28/24/0113 1 Station Street Tubes - 6 Boreholes Environment Agency, Midlands Region Breweries/Wine; Process Water Water may be abstracted from a single point Groundwater	sw	150	2	42457 32320		
		Not Supplied Not Supplied Not Supplied Bass Brawers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied y: Located by supplier to within 10m						
	Water Abstraction	Bass Browers Limited	NW	470	2	42454		
61	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised End: Permit Start Date: Permit End Date: Positional Accuract	Dass Browers Limited 03/28/24/0113 1 Bass Browers Limited,Burton On Trent, - Engine House Well Environment Agency, Midlands Region Broweries/Mine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Bass Browers Limited,Burton On Trent,Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied v: Located by supplier to within 10m	(W)	179	179		•	32344
	Water Abstraction	8						
61	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source; Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start; Authorised End: Permit Start Date: Permit End Date: Positional Accuracy Water Abstraction	Bass Brewers Limited 03/28/24/0113 1 Bass Brewers Limited,Burton On Trent, - Engine House Well Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Bass Brewers Limited,Burton On Trent,Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied Not Supplied Not Supplied Located by supplier to within 10m	NW	179	2	42454 32344		
62	Operator:	Bass Brewers Limited	w	229	2	42445		
	Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	03/28/24/0113 1 Bass Brewers Limited,Burton On Trent,Staffs - Yard Well Environment Agency, Midlands Region Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Bass Brewers Limited,Burton On Trent,Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied Located by supplier to within 10m				32324		

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Mer D		Details	Compass Direction	Estimated Distance From Site	Contact	NGI
	Water Abstraction	25				
62	Operator: Licence Number: Permit Version:	Bass Brewers Limited 03/28/24/0113 1	W	229	2	42445 32324
	Location: Authority: Abstraction:	Bass Brewers Limited, Burton On Trent, Staffs - Yard Well Environment Agency, Midlands Region Breweries/Wine: Process Water				
	Abstraction Type:	Water may be abstracted from a single point				
	Source:	Groundwater				
	Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3): Details:	Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes				
	Authorised Start:	01 April				
	Authorised End:	31 March				
	Permit Start Date:	4th January 1998				
	Permit End Date:	Not Supplied				
	Positional Accurac	y: Located by supplier to within 10m				
	Water Abstraction	25				
32	Operator:	Bass Brewers Limited	W	277	2	4244
	Licence Number:	03/28/24/0113				3232
	Permit Version:	1				
	Location:	Bass Brewers Limited, Burton On Trent, Staffs - Garden Well				
	Authority:	Environment Agency, Midlands Region Brewerles/Wine: Evaporative Cooling				
	Abstraction: Abstraction Type:	Water may be abstracted from a single point				
	Source:	Groundwater				
	Dally Rate (m3):	Not Supplied				
	Yearly Rate (m3)	Not Supplied				
	Details:	Bass Brewers Limited Burton On Trent, Staffs - Wells & Boreholes				
	Authorised Start:	01 April				
	Authorised End:	31 March				
	Permit Start Date:	4th January 1998				
	Permit End Date:	Not Supplied				
-		y: Located by supplier to within 10m	_			
	Water Abstraction					
32	Operator:	Bass Brewers Limited	W	277	2	4244
	Licence Number:	03/28/24/0113				3232
	Permit Version:	1				
	Location:	Bass Brewers Limited, Burton On Trent Staffs - Garden Well				
	Authority:	Environment Agency, Midtands Region				
	Abstraction:	Breweries/Wine: Process Water Water may be abstracted from a single point				
	Abstraction Type: Source:	Groundwater				
	Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3):	Not Supplied				
	Details:	Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes				
	Authorised Start:	01 April				
	Authorised End:	31 March				
	Permit Start Date:					
	Permit End Date:	Not Supplied y: Located by supplier to within 10m				
	Water Abstraction					
	Operator:	Bass Brewers Limited	w	260	2	4244
3	Licence Number:	03/28/24/0112	**	200	-	3232
	Permit Version:	1				
	Location:	Burton Brewery - Central Engine House Borehole				
	Authority:	Environment Agency, Midlands Region				
	Abstraction:	Breweries/Wine: Process Water				
	Abstraction Type:	Water may be abstracted from a single point				
	Source:	Groundwater				
	Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3):	Not Supplied				
	Details:	Burton On Trent, Staffordshire				
	Authorised Start:	01 April				
	A calculation is partial.					
	Authorised End:	31 March				
	Authorised End: Permit Start Date: Permit End Date:					

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Map D		Details	Compass Direction	Estimated Distance From Site	Contact	NGF	
	Water Abstraction						
63	Operator: Licence Number: Permit Version:	Bass Brewers Limited 03/28/24/0112 1	W	260	2	42441 32328	
	Location; Authority; Abstraction;	Burton Brewery - Central Engine House Borehole Environment Agency, Midlands Region Breweries/Wine: Non-Evaporative Cooling					
	Abstraction Type: Source:	Water may be abstracted from a single point Groundwater					
	Daily Rate (m3); Yearly Rate (m3); Details:	Not Supplied Not Supplied Land At Burton On Trent, Staffs					
	Authorised Start: Authorised End:	01 April 31 March					
	Permit Start Date: Permit End Date:	4th January 1998 Not Supplied					
		: Located by supplier to within 10m					
	Water Abstraction						
34	Operator: Licence Number: Permit Version:	Bass Brewers Limited 03/28/24/0113	W	309	2	4243 3233	
	Location: Authority:	Bass Brewers Limited, Burton On Trent,B Stores - Well Environment Agency, Midlands Region					
	Abstraction: Abstraction Type:	Breweries/Wine; Evaporative Cooling Water may be abstracted from a single point Groundwater					
	Source: Daily Rate (m3): Yearly Rate (m3):	Not Supplied Not Supplied					
	Details: Authorised Start:	Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April					
	Authorised End: Permit Start Date:	31 Merch 4th January 1998					
	Permit End Date: Positional Accuracy	Not Supplied y: Located by supplier to within 10m					
	Water Abstraction						
64	Operator:	Bass Brewers Limited	w	309	2	4243	
	Licence Number: Permit Version:	03/28/24/0113				3233	
	Location: Authority:	Bass Brewers Limited, Burton On Trent,B Stores - Well Environment Agency, Midlands Region Breweries/Wine: Process Water					
	Abstraction: Abstraction Type: Source:	Water may be abstracted from a single point Groundwater					
	Daily Rate (m3): Yearly Rate (m3):	Not Supplied Not Supplied					
	Details: Authorised Start:	Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April					
	Authorised End:	31 March 4th January 1998					
	Permit End Date:	Not Supplied					
	Water Abstraction	y: Located by supplier to within 10m	-1-		-		
65	Operator:	Bass Brewers Limited	N	388	2	42470	
03	Licence Number:	03/28/24/0023	**	000	_	3237	
	Permit Version; Location;	101 Burton-On-Trent Brewery - Hodges Weil					
	Authority:	Environment Agency, Midlands Region					
	Abstraction:	Brewerles/Wine: Non-Evaporative Cooling					
	Abstraction Type: Source:	Water may be abstracted from a single point Groundwater					
	Daily Rate (m3):	Not Supplied					
	Yearly Rate (m3):	Not Supplied					
	Details:	Burton-On-Trent Brewery - Hodges Well					
	Authorised Start:	01 April					
	Authorised End:	31 March					
	Permit Start Date: Permit End Date:	4th January 1998 Not Supplied					
	, with with well,	rea wappined					

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Map D		Details /	Compass Direction	Estimated Distance From Site	Contac	NGF
	Water Abstraction	8				
55	Operator: Licence Number; Permit Version: Location: Authority: Abstraction: Abstraction Type: Source:	Bass Brewers Limited 03/28/24/0023 101 Burton-On-Trent Brewery - Hodges Well Environment Agency, Midlands Region Braweries/Wine: Process Water Water may be abstracted from a single point Groundwater	N	368	2	42470 32370
	Deity Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy	Not Supplied Not Supplied Button-On-Trent Brewery - Well 01 April 31 March 4th January 1998 Not Supplied r Located by supplier to within 10m				
	Water Abstraction					
86	Operator: Licence Number: Permit Version; Location: Authority: Abstraction: Abstraction Type: Source: Dally Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Permit End Date:	Bass Brewers Limited 03/28/24/0048 100 Brewery Well Environment Agency, Midlands Region Breweries/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Shobnall No 4 / Grange /Cairo Well Etc 01 April 31 March 16th April 1991 Not Supplied P. Located by supplier to within 10m	SÉ	390	2	42490 32300
	Water Abstraction					
566	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy	Bass Brewers Limited 03/28/24/0048 100 Brewery Well Environment Agency, Midlands Region Breweries/Wine; Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Shobnell No 4 / Grange / Cairo Well Etc 01 April 31 March 16th April 1991 Not Supplied y Located by supplier to within 10m	SE	390	2	42490 32300
57	Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Type: Source: Dally Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit Start Date:	Bass Brewers Limited 03/28/24/0023 101 Burton-On-Trent Brewery - Boreholes(100 Ft Deep, Ex-Trumans) Environment Agency, Midlands Region Brewerles/Wine: Non-Evaporative Cooling Waler may be abstracted from a single point Groundwater Not Supplied Not Supplied Burton-On-Trent Brewery - Boreholes 01 April 31 March 4th January 1998 Not Supplied F. Located by supplier to within 100m	NW	466	2	42430 32360

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Map ID		Details:	Compass Direction	Estimated Distance From Site	Contact	NGF
	Water Abstraction	8				
67	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised End: Permit Start Date:	Bass Brewers Limited 03/28/24/0023 101 Burton-On-Trent Brewery - Boreholes(100 Ft Deep, Ex-Trumans) Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Burton-On-Trent Brewery - Boreholes 01 April 31 March 4th January 1998	NW	466	2	4243 32360
	Permit End Date:	Not Supplied				
		:Located by supplier to within 10m				
68	Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy	Bass Brewers Limited 03/28/24/0023 101 Burton Brewery - Deep Borehole Derby St Environment Agency, Midlands Region Brewerles/Wine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Burton-On-Trent Brewery - Borehole 01 April 31 March 4th January 1998 Not Supplied r: Located by supplier to within 100m	NW	470	2	4244I
	Water Abstraction	5				
68		Bass Brewers Limited 03/28/24/0023 101 Burton Brewery - Deep Borehole Derby St Environment Agency, Midlands Region Brewertes/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Burton-On-Trent Brewery - Borehole 01 April 31 March 4th January 1998 Not Supplied Incoded by supplier to within 10m	NW	470	2	42440
	Water Abstraction	8				
69	Operator: Licence Number: Permit Version: Location: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	Bass Brewers Limited 03/28/24/0048 100 Mosley Street Well Environment Agency, Midlands Region Breweries/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Shobnall No 4 / Grange /Cairo Well Etc 01 April 31 March 16th April 1991 Not Supplied	sw	483	2	42430 32300

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Water Abstraction					
69	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3):	Bass Brewers Limited 03/28/24/0048 100 Mosley Street Well Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied	SW	483	2	42430 32300
	Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy	Shobnall No 4 / Grange / Calro Well Etc 01 April 31 March 16th April 1991 Not Supplied r: Located by supplier to within 10m				
	Water Abstraction					
70	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy	Bass Brewers Limited 03/28/24/0048 100 Eadies Melbourne Well Environment Agency, Midlands Region Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Shobnall No 4 / Grange /Cairo Weil Etc 01 April 31 March 16th April 1991 Not Supplied v: Located by supplier to within 10m	sw	492		42440 32290
	Water Abstraction	8				
70		Bass Brewers Limited 03/28/24/0048 100 Esdles Melbourne Well Environment Agency, Midlands Region Brewerles/Wine; Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Shobnall No 4 / Grange / Cairo Well Etc 01 April 31 March 16th April 1991 Not Supplied y: Located by supplier to within 10m	sw	492	2	42440 32290
71	Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	Bass Brewers Limited 03/28/24/0112 1 Burton Brewery - Bottling Bore Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Burton On Trent, Staffordshire 01 April 31 March 4th January 1998 Not Supplied F. Located by supplier to within 10m	w	526	2	42415 32322

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Map D		Detalis	Compass Direction	Estimated Distance From Site	Contact	NGR	
	Water Abstraction						
71	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3):	Bass Brewers Limited 03/28/24/0112 1 Surton Brewery - Bottling Bore Environment Agency, Midlands Region Breweries/Wine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied	W	526	2	42415 32322	
	Details: Authorised Start: Authorised End: Permit Start Date:	Land At Burton On Trent, Staffs 01 April 31 March 4th January 1998					
	Permit End Date:	Not Supplied					
-	Positional Accuracy Water Abstraction	: Located by supplier to within 10m					
71	Operator: Licence Number: Permit Version: Location:	Bass Brewers Limited 03/28/24/0113 1 Field Well, Burton On Trent, Staffs	w	528	2	42415 32321	
	Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3):	Environment Agency, Midlands Region Braweries/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied					
	Yearly Rate (m3): Details: Authorised Start: Authorised End:	Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March					
		4th January 1998 Not Supplied r: Located by supplier to within 10m					
	Water Abstraction						
71	Operator: Licence Number: Permit Version: Location: Authority:	Bass Brewers Limited 03/28/24/0113 1 Field Well, Burton On Trent, Staffs Environment Agency, Midlands Region	W	528	2	42415 32321	
)	Abstraction: Abstraction Type: Source: Daily Rate (m3):	Breweries/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied					
,	Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date:	Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998					
	Permit End Date:	Not Supplied					
_	Positional Accuracy Water Abstraction	r: Located by supplier to within 10m					
70	Operator:	Bass Brewers Limited	SE	564	2	42490	
72	Ucence Number: Permit Version: Location: Authority: Abstraction:	03/28/24/0048 100 Cooperage Well Environment Agency, Midlands Region Brewerles/Wine: Evaporative Cooling	SE,		•	32280	
	Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3):	Water may be abstracted from a single point Groundwater Not Supplied Not Supplied					
	Details: Authorised Start: Authorised End: Permit Start Date:	Shobnall No 4 / Grange /Cairo Well Etc 01 April 31 March 16th April 1991 Not Supplied					
	Permit End Date: Positional Accuracy	not Supplied : Located by supplier to within 10m					

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Vlap D		Details	Compass Direction	Estimated Distance From Site	Contact	NG
	Water Abstraction					
72	Operator: Licence Number: Permit Version:	Bass Brewers Limited 03/28/24/0048 100	SE	564	2	42490 32280
	Location: Authority:	Cooperage Well Environment Agency, Midlands Region				
	Abstraction: Abstraction Type:	Breweries/Wine: Process Water Water may be abstracted from a single point				
	Source: Daily Rate (m3):	Groundwater Not Supplied				
	Yearly Rate (m3): Details: Authorised Start:	Not Supplied Shobnall No 4 / Grange / Cairo Well Etc 01 April				
	Authorised End: Permit Start Date:	31 March 16th April 1991				
	Permit End Date:	Not Supplied y: Located by supplier to within 10m				
	Water Abstraction					
73	Operator: Licence Number:	Bass Brewers Limited 03/28/24/0048	E	564	2	4252 3235
	Permit Version: Location; Authority:	100 Nos 3 & 4 Maitings Well Environment Agency, Midlands Region				
	Abstraction: Abstraction Type:	Broweries/Wine: Evaporative Cooling Water may be abstracted from a single point				
	Source: Daily Rate (m3):	Groundwater Not Supplied				
	Yearly Rate (m3): Details:	Not Supplied Shobnali No 4 / Grange /Cairo Well Etc				
	Authorised Start: Authorised End:	01 April 31 March				
	Permit Start Date: Permit End Date: Partitional Accuracy	16th April 1991 Not Supplied y: Located by supplier to within 10m				
	Water Abstraction					
3	Operator:	Bass Brewers Limited	E	564	2	4252
	Licence Number: Permit Version:	03/28/24/0048 100				3235
	Location: Authority:	Nos 3 & 4 Maltings Well Environment Agency, Midlands Region				
	Abstraction: Abstraction Type:	Breweries/Wine: Process Water Water may be abstracted from a single point				
	Source: Daily Rate (m3):	Groundwater Not Supplied Not Supplied				
	Yearly Rate (m3): Details: Authorised Start:	Shobnall No 4 / Grange / Cairo Well Etc 01 April				
	Authorised End: Permit Start Date:	31 March				
	Permit End Date:	Not Supplied y: Located by supplier to within 10m				
	Water Abstraction					
4	Operator:	Bass Brewers Limited	E	638	2	42530
	Licence Number: Permit Version:	03/28/24/0048 100				3234
	Location: Authority:	Wheelwrights Yard Well Environment Agency, Midlands Region				
	Abstraction: Abstraction Type:	Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater				
	Source: Daily Rate (m3): Yearly Rate (m3):	Groundwater Not Supplied Not Supplied				
	Details: Authorised Start:	Shobnall No 4 / Grange /Cairo Well Etc 01 April				
	Authorised End: Permit Start Date:	31 March 16th April 1991				
	Permit End Date:	Not Supplied r:Located by supplier to within 10m				

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Map D		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Water Abstraction	18				
74	Operator: Licence Number; Permit Version; Location; Authority; Abstraction: Abstraction Type; Source; Daily Rate (m3); Yearly Rate (m3); Details:	Bass Brewers Limited 03/28/24/0048 100 Wheelwrights Yard Well Environment Agency, Midlands Region Brewerles/Wine; Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Shobnall No 4 / Grange / Cairo Well Etc	E	638	2	42530 32340
	Authorised Start: Authorised End: Permit Start Date:	01 April 31 March 16th April 1991				
	Permit End Date: Positional Accuracy	Not Supplied y: Located by supplier to within 10m				
	Water Abstraction					
75	Operator: Licance Number: Permit Version: Location: Authority: Abstraction: Abstraction Type:	Bass Brewers Limited 03/28/24/0047 100 Satis No.1 - Borehole Environment Agency, Midlands Region Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point	E	643	2	42530 32320
	Source: Daily Rate (m3): Yearly Rate (m3): Detalls: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	Groundwater Not Supplied Not Supplied Salts No 1/ No 2 Stores / Grange No 2 01 April 31 March 30th March 1990 Not Supplied y: Located by supplier to within 10m				
-						
75	Water Abstraction Operator: Licance Number: Permit Version: Location: Authority: Abstraction Type: Source: Deliy Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuract Water Abstraction	Bass Brewers Limited 03/28/24/0047 100 Safts No.1 - Borehole Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Safts No 1 / No 2 Stores / Grange No 2 01 April 31 March 30th March 1990 Not Supplied y: Located by supplier to within 10m	E	643	2	42530 32320
76	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	Bass Brewers Limited 03/28/24/0047 100 Worthington - Borehole 1 Environment Agency, Midlands Region Breweries/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Salts No 1/ No 2 Stores / Grange No 2 01 April 31 March 30th March 1990 Not Supplied Located by supplier to within 10m	SE	674	2	42520 32290

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Vap D		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Water Abstraction					
6	Operator: Licence Number: Permit Version: Location: Authority:	Bass Brewers Limited 03/28/24/0047 100 Worthington - Borehole 2 Environment Agency, Midlands Region	SE	674	2	42520 32290
	Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details:	Breweries/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Salts No 1/ No 2 Stores / Grange No 2				
	Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy	01 April 31 March 30th March 1990 Not Supplied Located by supplier to within 10m				
76	Water Abstraction Operator: Licence Number: Permit Version:	Bass Brewers Limited 03/28/24/0047 100	SE	674	2	42520 32290
	Location: Authority: Abstraction: Abstraction Type:	Worthington - Borehole 1 Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point				
	Source: Daily Rate (m3): Yearly Rate (m3):	Groundwater Not Supplied Not Supplied				
	Details: Authorised Start: Authorised End: Permit Start Date:	Salts No 1 / No 2 Stores / Grange No 2 01 April 31 March 30th March 1990				
	Permit End Date:	Not Supplied y: Located by supplier to within 10m				
	Water Abstraction					
76	Operator:	Bass Brewers Limited	SE	674	2	42520
, 0	Licence Number: Permit Version:	03/28/24/0047 100 Worthington - Borehole 2				32290
	Location: Authority: Abstraction:	Environment Agency, Midtands Region Breweries/Wine; Process Water				
	Abstraction Type: Source: Daily Rate (m3):	Water may be abstracted from a single point Groundwater Not Supplied				
	Yearly Rate (m3): Details:	Not Supplied Salts No 1 / No 2 Stores / Grange No 2 01 April				
	Authorised Start: Authorised End: Permit Start Date: Permit End Date:	31 March 30th March 1990 Not Supplied				
	Positional Accurac	y: Located by supplier to within 10m				
	Water Abstraction	18				
77	Operator: Licence Number:	Bass Brewers Limited 03/28/24/0113	E	687	2	4253 3230
	Permit Version: Location: Authority: Abstraction:	1 Bass Brewers Limited,Burton On Trent,Staffs - Hay Tubes Environment Agency, Midlands Region Brewerles/Wine: Evaporative Cooling				
	Abstraction Type: Source: Daily Rate (m3):	Water may be abstracted from a single point Groundwater Not Supplied				
	Yearly Rate (m3): Details: Authorised Start: Authorised End:	Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March				
	Permit Start Date:	Ath January 1998 Not Supplied y: Located by supplier to within 10m				

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Map D		Details	Compasa Direction	Estimated Distance From Site	Contact	NGF		
	Water Abstraction	8						
7	Operator: Licence Number: Permit Version:	Bass Brewers Limited 03/28/24/0113	E	687	2	42531 32307		
	Location: Authority: Abstraction: Abstraction Type:	Bass Brewers Limited, Burton On Trent, Staffs - Hay Tubes Environment Agency, Midlands Region Breweries/Wine; Process Water Water may be abstracted from a single point						
	Source: Dally Rate (m3):	Groundwater Not Supplied						
	Yearly Rate (m3): Details: Authorised Start:	Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April						
	Authorised End: Permit Start Date:	31 March 4th January 1998 Not Supplied						
_	Permit End Date: Positional Accuracy	r. Located by supplier to within 10m						
	Water Abstraction	8						
8	Operator: Licence Number: Permit Version:	Bass Brewers Limited 03/28/24/0048 100	SE	740	2	42526 3228		
	Location: Authority: Abstraction:	Arbor Weil Environment Agency, Midlands Region Brewerles/Wine: Evaporative Cooling						
	Abstraction Type: Source:	Water may be abstracted from a single point Groundwater						
	Daily Rate (m3): Yearly Rate (m3): Details:	Not Supplied Not Supplied Shobnall No 4 / Grange /Cairo Well Etc						
	Authorised Start: Authorised End: Permit Start Date:	01 April 31 March 16th April 1991						
	Permit End Date:	Not Supplied y: Located by supplier to within 10m						
	Water Abstractions							
78	Operator: Licence Number:	Bass Brewers Limited 03/28/24/0048	SE	740	2	42526 3228		
	Permit Version: Location: Authority:	100 Arbor Well Environment Agency, Midlands Region						
	Abstraction: Abstraction Type: Source:	Breweries/Wine; Process Water Water may be abstracted from a single point Groundwater						
	Daily Rate (m3): Yearly Rate (m3): Details:	Not Supplied Not Supplied Shobnall No 4 / Grange / Cairo Well Etc						
	Authorised Start: Authorised End:	01 April 31 March						
	Permit Start Date: Permit End Date: Positional Accuracy	16th April 1991 Not Supplied - Located by supplier to within 10m						
	Water Abstraction	8						
79	Operator: Licence Number:	Bass Brewers Limited 03/28/24/0048	SE	758	2	42530 32290		
	Permit Version: Location: Authority:	100 Hay Well - Worthington Environment Agency, Midlands Region						
	Abstraction: Abstraction Type: Source:	Breweries/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater						
	Daily Rate (m3): Yearly Rate (m3):	Not Supplied Not Supplied						
	Details: Authorised Start: Authorised End:	Shobnali No 4 / Grange /Cairo Well Etc 01 April 31 March						
	Permit Start Date: Permit End Date:	16th April 1991 Not Supplied : Located by supplier to within 10m		-4				

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Map ID		I Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Water Abstraction					
79	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type:	Bass Brewers Limited 03/28/24/0048 100 Hay Well Environment Agency, Midlands Region Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point	SÉ	756	2	42530 32290
	Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End:	Groundwater Not Supplied Not Supplied Shobnall No 4 / Grange /Cairo Well Etc 01 April 31 March				
	Permit Start Date: Permit End Date:	16th April 1991 Not Supplied : Located by supplier to within 10m				
79	Water Abstraction Operator: Licence Number:	Bass Brewers Limited 03/28/24/0048	SE	756	2	425300 322900
	Permit Version: Location: Authority: Abstraction:	100 Hay Well - Worthington Environment Agency, Midlands Region Breweries/Wine: Process Water				
	Abstraction Type: Source: Daily Rate (m3):	Water may be abstracted from a single point Groundwater Not Supplied				
	Yearly Rate (m3): Details: Authorised Start:	Not Supplied Shobnall No 4 / Grange / Calro Well Etc 01 April				
	Authorised End: Permit Start Date: Permit End Date: Positional Accuracy	31 March 16th April 1991 Not Supplied r: Located by supplier to within 10m				
	Water Abstraction					
79	Operator: Licence Number: Permit Version:	Bass Brewers Limited 03/28/24/0048 100	SE	756	2	42530 32290
	Location: Authority: Abstraction: Abstraction Type:	Hay Well Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point				
	Source: Daily Rate (m3): Yearly Rate (m3): Details:	Groundwater Not Supplied Not Supplied Shobnall No 4 / Grange / Cairo Well Etc				
	Authorised Start: Authorised End: Permit Start Date:	01 April 31 March 16th April 1991				
	Permit End Date: Positional Accuracy	Not Supplied : Located by supplier to within 10m				
	Water Abstraction	1				
79	Operator: Licence Number: Permit Version:	Bass Brewers Limited 03/28/24/0048 100	SE	756	2	42530 32290
	Location: Authority: Abstraction: Abstraction Type: Source: Daily Bate (m2):	Hay Well - Worthington Environment Agency, Midlands Region Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied				
	Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End:	Not Supplied Not Supplied Shobnall No 4 / Grange /Cairo Well Etc 01 April 31 March				
	Permit Start Date: Permit End Date:	16th April 1991 Not Supplied r: Located by supplier to within 10m				

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Mar ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Water Abstraction	8				
79	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Delity Rate (m3): Yearly Rate (m3): Details: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy	Bass Brewers Limited 03/28/24/0048 100 Hay Well - Worthington Environment Agency, Midlands Region Breweries/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Shobnall No 4 / Grange / Cairo Well Etc 01 April 31 March 16th April 1991 Not Supplied r. Located by supplier to within 10m	SE	756	2	42530 32290
	Water Abstraction	8				
80	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy	Bass Brewers Limited 03/28/24/0113 1 Bottling Stores, Burton On Trent, Staffs - Malting Well Environment Agency, Midlands Region Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied v: Located by supplier to within 10m	W	764	2	423956 323056
	Water Abstraction	\$				
60		Bass Brewers Limited 03/28/24/0113 1 Bottling Stores, Burton On Trent, Staffs - Maiting Well Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Bass Brewers Limited,Burton On Trent,Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied r; Located by supplier to within 10m	w	764	2	423950 323050
	Water Abstraction				-	
81	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Deity Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy	Bass Brewers Limited 03/28/24/0047 100 No.2 Stores - Borehole Environment Agency, Midlands Region Breweries/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Salts No 1/ No 2 Stores / Grange No 2 01 April 31 March 30th March 1990 Not Supplied Located by supplier to within 10m	NE	798	2	425300 323800

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Mar ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGF
	Water Abstraction	8				
81	Operator:	Bass Brewers Limited	NE	798	2	42530
	Licence Number:	03/28/24/0047				32380
	Permit Version:	100				
	Location:	No.2 Stores - Borehole Environment Agency, Midlands Region				
	Authority:	Breweries/Wine: Process Water				
	Abstraction: Abstraction Type:	Water may be abstracted from a single point				
	Source:	Groundwater				
	Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3):	Not Supplied				
	Details:	Salts No 1 / No 2 Stores / Grange No 2				
	Authorised Start:	01 April				
	Authorised End:	31 March				
	Permit Start Date:	30th March 1990				
	Permit End Date:	Not Supplied y: Located by supplier to within 10m				
_	Water Abstraction		-1211-			
		Bass Brewers Limited	E	810	2	4254
32	Operator: Licence Number:	03/28/24/0111	_	310	-	3230
	Permit Version:	1				
	Location:	Bass Brewers Limited, Burton On Trent, Staffs - River Trent				
	Authority:	Environment Agency, Midlands Region				
	Abstraction:	Breweries/Wine Non-Evaporative Cooling				
	Abstraction Type:	Water may be abstracted from a single point				
	Source:	Surface				
	Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3):	Not Supplied				
	Details:	Bass Brewers Limited, Burton On Trent, Staffs - River Trent 01 April				
	Authorised Start: Authorised End:	31 March				
	Permit Start Date:	4th January 1998				
	Permit End Date:	Not Supplied				
	Positional Accurac	y: Located by supplier to within 10m				_
	Water Abstraction	is .				
83	Operator:	Bass Brewers Limited	SE	815	2	4253
	Licence Number:	03/28/24/0048				3228
	Permit Version:	100				
	Location:	Andressy Well				
	Authority:	Environment Agency, Midlands Region				
	Abstraction:	Breweries/Wine: Evaporative Cooling				
	Abstraction Type: Source:	Water may be abstracted from a single point Groundwater				
	Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3).	Not Supplied				
	Details:	Shobnall No 4 / Grange /Cairo Well Etc				
	Authorised Start:	01 April				
	Authorised End:	31 March				
	Permit Start Date:	16th April 1991				
	Permit End Date:	Not Supplied y: Located by supplier to within 10m				
	Water Abstraction	Bass Brewers Limited	SE	815	2	4253
93	Operator: Licence Number:	03/28/24/0048	35	019	-	3228
	Permit Version:	100				
	Location:	Andressy Well				
	Authority:	Environment Agency, Midlands Region				
	Abstraction:	Breweries/Wine: Process Water				
	Abstraction Type:	Water may be abstracted from a single point				
	Source:	Groundwater				
	Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3):	Not Supplied				
	Details:	Shobnall No 4 / Grange / Cairo Well Etc				
	Authorised Start:	01 April				
	Authorised Start: Authorised End:	31 March				
	Authorised Start:					

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Map D		Detalla	Compass Direction	Estimated Distance From Site	Contact	NGR
	Water Abstraction					
84	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source:	Bass Brewers Limited 03/28/24/0049 100 The River Trent Environment Agency, Midlands Region Sports Grounds/Facilities: Spray Irrigation - Direct Water may be abstracted from a single point Surface	NE	879	2	42540 32380
	Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date:	Not Supplied Not Supplied Not Supplied Burton-On-Trent Sports Field - River Trent 01 April 31 March 16th April 1991				
	Permit End Date:	Not Supplied				
_		:Located by supplier to within 10m				-
	Water Abstraction					
85	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type:	Renold Power Transmission Ltd 03/28/24/0025 100 Renold Conveyor Works - Well Environment Agency, Midlands Region Other Industrial/Commercial/Public Services; Process Water Water may be abstracted from a single point	N	902	2	42450 32420
	Source: Daily Rate (m3): Yearly Rate (m3): Details:	Groundwater Not Supplied Not Supplied Premises Of Renold Conveyor Works				
	Authorised Start: Authorised End; Permit Start Date: Permit End Date:	01 April 31 March 8th July 1991 Not Supplied				
	Positional Accuracy	r: Located by supplier to within 10m		-		
	Water Abstraction	8				
85	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type:	Renold Power Transmission Ltd 03/28/24/0025 100 Renold Conveyor Works - Well Environment Agency, Midlands Region Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Water may be abstracted from a single point	N	902	2	42450 32420
	Source: Daily Rate (m3): Yearly Rate (m3):	Groundwater Not Supplied Not Supplied Premises Of Renold Conveyor Works				
	Details: Authorised Start: Authorised End: Permit Start Date:	01 April 31 March 6th July 1991				
	Permit End Date: Positional Accuracy	Not Supplied y: Located by supplier to within 10m				
	Water Abstraction					
96	Operator:	Lloyds (Burton) Ltd	sw	961	2	42380
86	Licence Number: Permit Version: Location:	03/28/24/0090 /1 Not Supplied Burton	317	501	•	32290
	Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3):	Environment Agency, Midlands Region Industrial Processing (Miscellaneous) Not Supplied Groundwater 123 4546				
	Yearly Rate (m3): Details: Authorised Start: Authorised End:	Not Supplied Not Supplied Not Supplied				
	Permit Start Date: Permit End Date: Positional Accuracy	Not Supplied Not Supplied r: Located by supplier to within 100m				

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Mar D		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
П	Water Abstraction					
37	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date:	Bass Brewers Limited 03/28/24/0048 100 Sports Ground No 2 Borehole Environment Agency, Midlands Region Breweries/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Shobnall No 4 / Grange /Cairo Well Etc 01 April 31 March 16th April 1991 Not Supplied	NE	964	2	42550 32380
_		: Located by supplier to within 10m				
87	Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy	Bass Brewers Limited 03/28/24/0048 100 Sports Ground No 2 Borehole Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Shobnall No 4 / Grange / Cairo Weil Etc 01 April 31 March 16th April 1991 Not Supplied Located by supplier to within 10m	NE	964	2	42550 32380
	Water Abstraction					
86	Operator: Ucence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy	Heritage Brewery Ltd 03/28/24/0072 100 Anglesey Road - Borehole A Environment Agency, Midlands Region Brewerles/Wine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Anglesey Road - Boreholes And Well 01 April 31 March 18th December 1985 Not Supplied v. Located by supplier to within 10m	sw .	977	2	42400 32260
	Water Abstraction				_	42400
88	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Permit End Date:	Heritage Brewery Ltd 03/28/24/0072 100 Anglesey Road - Well Environment Agency, Midlands Region Breweries/Wine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Anglesey Road - Boreholes And Well 01 April 31 March 18th December 1985 Not Supplied p. Located by supplier to within 10m	SW	977	2	32260

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGF
	Water Abstraction	8				
88	Operator: Licence Number: Permit Version: Location:	Heritage Brewery Ltd 03/28/24/0072 100 Anglesey Road - Borehole A	sw	977	2	42400 32260
	Authority: Abstraction; Abstraction Type: Source:	Environment Agency, Midlands Region Braweries/Wine: Process Water Water may be abstracted from a single point Groundwater				
	Daily Rate (m3): Yearly Rate (m3): Details:	Not Supplied Not Supplied Anglesey Road - Well And Borsholes				
	Authorised Start: Authorised End: Permit Start Date:	01 April 31 March 18th December 1985				
	Permit End Date:	Not Supplied y: Located by supplier to within 10m				
	Water Abstraction					
88	Operator: Licence Number;	Heritage Brewery Ltd 03/28/24/0072	sw	977	2	42400 32260
	Permit Version: Location: Authority:	100 Anglesey Road - Weil Environment Agency, Midlands Region				
	Abstraction: Abstraction Type: Source:	Breweries/Wine: Process Water Water may be abstracted from a single point Groundwater				
	Daily Rate (m3): Yearly Rate (m3): Details:	Not Supplied Not Supplied Anglesey Road - Well And Boreholes				
	Authorised Start: Authorised End: Permit Start Date:	01 April 31 Merch 18th December 1985				
	Permit End Date:	Not Supplied y:Located by supplier to within 10m				
	Water Abstraction	18				
88	Operator: Licence Number: Permit Version:	Trentside Property Co (Burton) Limited 03/28/24/0072 101	sw	977	2	4240 3226
	Location: Authority:	Anglesey Road - Borehole A Environment Agency, Midlands Region Brewerles/Wine: Non-Evaporative Cooling				
	Abstraction: Abstraction Type: Source:	Water may be abstracted from a single point Groundwater Not Supplied				
	Dally Rate (m3): Yearly Rate (m3): Details:	Not Supplied Anglesey Road - Boreholes And Well				
	Authorised Start: Authorised End: Permit Start Date:	01 April 31 March 13th September 1996				
	Permit End Date: Positional Accurac	Not Supplied y: Located by supplier to within 100m				
	Water Abstraction	25				
88	Operator: Licence Number: Permit Version:	Trentside Property Co (Burton) Limited 03/28/24/0072 101	SW	977	2	4240 3226
	Location: Authority: Abstraction:	Anglesey Road - Well Environment Agency, Midlands Region Braweries/Wine: Non-Evaporative Cooling				
	Abstraction Type: Source:	Water may be abstracted from a single point Groundwater				
	Daily Rate (m3): Yearly Rate (m3): Details:	Not Supplied Not Supplied Anglesey Road - Boreholes And Well				
	Authorised Start: Authorised End: Permit Start Date:	01 April 31 March 13th September 1996				
	Permit End Date: Positional Accuracy	Not Supplied y: Located by supplier to within 100m				

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Maj ID	•	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Water Abstraction	15				
88		Trentside Property Co (Burton) Limited 03/28/24/0072 101 Anglesey Road - Borehole A Environment Agency, Midtands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Anglesey Road - Well And Boreholes 01 April 31 March 13th September 1996 Not Supplied y. Located by supplier to within 100m	SW	977	2	42400
	Water Abstraction	28				
88	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source; Daily Rate (m3): Yearly Rate (m3): Details: Authorised End; Permit Start Date; Permit End Date: Positional Accurace	Trentside Property Co (Burton) Limited 03/28/24/0072 101 Anglesey Road - Well Environment Agency, Midlands Region Breweries/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Anglesey Road - Well And Boreholes 01 April 31 March 13th September 1996 Not Supplied Environment Agency, Midlands Region 10 April 11 September 1996 Not Supplied Environment Agency Envir	sw	977	2	42400
	Water Abstraction	15				
89		Heritage Brewery Ltd 03/28/24/0072 100 Angelsey Road - Standby Borehole Environment Agency, Midlands Region Breweries/Wine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Anglesey Road - Boreholes And Well 01 April 31 March 18th December 1985 Not Supplied y: Located by supplier to within 10m	sw	992	2	42410(32250)
	Water Abstraction					
89	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	Heritage Brewery Ltd 03/28/24/0072 100 Anglesey Road - Borehole B Environment Agency, Midlands Region Breweries/Mine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Anglesey Road - Boreholes And Well 01 April 31 March 18th December 1985 Not Supplied In Located by supplier to within 10m	SW	992	2	42410 32250

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Mac D		Details	Compass Direction	Estimated Distance From Site	Contact	NGF
	Water Abstraction	3				
B9	Operator: Licence Number: Permit Version:	Heritage Brewery Ltd 03/28/24/0072 100	SW	992	2	42410 32250
	Location: Authority:	Angelsey Road - Standby Borehole Environment Agency, Midlands Region				
	Abstraction: Abstraction Type:	Breweries/Wine: Process Water Water may be abstracted from a single point Groundwater				
	Source: Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3): Details:	Not Supplied Anglesey Road - Well And Boreholes				
	Authorised Start: Authorised End:	01 April 31 March				
	Permit Start Date: Permit End Date:	18th December 1985 Not Supplied				
-		y: Located by supplier to within 10m		-		
B 9	Water Abstraction Operator:	B Heritage Brewery Ltd	sw	992	2	4241
n al	Licence Number: Permit Version:	03/28/24/0072 100		J	-	3225
	Location:	Anglesey Road - Borehole B				
	Authority: Abstraction:	Environment Agency, Midlands Region Brewerles/Wine: Process Water				
	Abstraction Type: Source:	Water may be abstracted from a single point Groundwater				
	Daily Rate (m3): Yearly Rate (m3):	Not Supplied Not Supplied				
	Details: Authorised Start:	Anglesey Road - Well And Boreholes 01 April				
	Authorised End:	31 March 18th December 1985				
	Permit Start Date: Permit End Date:	Not Supplied y: Located by supplier to within 10m				
	Water Abstraction					
89	Operator:	Trentside Property Co (Burton) Limited	sw	992	2	4241
	Licence Number: Permit Version:	03/28/24/0072 101				3225
	Location: Authority:	Angelsey Road - Standby Borehole Environment Agency, Midlands Region				
	Abstraction: Abstraction Type:	Brewerles/Wine: Non-Evaporative Cooling Water may be abstracted from a single point				
	Source:	Groundwater Not Supplied				
	Daily Rate (m3): Yearly Rate (m3):	Not Supplied				
	Details: Authorised Start:	Anglesey Road - Boreholes And Well 01 April				
	Authorised End: Permit Start Date:	31 March 13th September 1996				
	Permit End Date: Positional Accurac	Not Supplied y: Located by supplier to within 100m				
	Water Abstraction					
89	Operator: Licence Number:	Trentside Property Co (Burton) Limited 03/28/24/0072	sw	992	2	4241 3225
	Permit Version:	101				تجير
	Location: Authority:	Anglesey Road - Borehole B Environment Agency, Midlands Region				
	Abstraction: Abstraction Type:	Breweries/Wine: Non-Evaporative Cooling Water may be abstracted from a single point				
	Source: Daily Rate (m3):	Groundwater Not Supplied				
	Yearly Rate (m3):	Not Supplied				
	Details: Authorised Start:	Anglesey Road - Boreholes And Well 01 April				
	Authorised End: Permit Start Date:	31 March 13th September 1998				
	Permit End Date:	Not Supplied y: Located by supplier to within 100m				

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Map ID		Details.	Compass Direction	Estimated Distance From Sita	Contact	NGF
	Water Abstraction					
89	Operator: Licence Number:	Trentside Property Co (Burton) Limited 03/28/24/0072	SW	992	2	42410 32250
	Permit Version:	101				
	Location:	Angelsey Road - Standby Borehole				
	Authority:	Environment Agency, Midlands Region				
	Abstraction:	Breweries/Wine Process Water				
	Abstraction Type:	Water may be abstracted from a single point				
	Source:	Groundwater				
	Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3):	Not Supplied				
	Details:	Anglesey Road - Well And Boreholes				
	Authorised Start:	01 April 31 March				
	Authorised End: Permit Start Date:	13th September 1998				
	Permit End Date:	Not Supplied				
		: Located by supplier to within 100m				
_	Water Abstraction					
	Operator:	Trentside Property Co (Burton) Limited	sw	992	2	4241
19	Operator: Licence Number:	03/28/24/0072	344	336	•	3225
	Permit Version:	101				
	Location:	Anglesey Road - Borehole B				
	Authority:	Environment Agency, Midlands Region				
	Abstraction:	Breweries/Wine: Process Water				
	Abstraction Type:	Water may be abstracted from a single point				
	Source:	Groundwater				
	Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3):	Not Supplied				
	Details:	Anglesey Road - Well And Boreholes				
	Authorised Start:	O1 April				
	Authorised End:	31 March				
	Permit Start Date:	13th September 1996				
	Permit End Date:	Not Supplied Located by supplier to within 100m				
-	Water Abstraction					
	Operator:	Bass Srewers Limited	w	1073	2	4236
	Licence Number:	03/28/24/0047	**	1070	•	3232
	Permit Version:	100				OLUL
	Location:	Grange - Borehole 1				
	Authority:	Environment Agency, Midlands Region			•	'
	Abstraction:	Brewerles/Wine: Evaporative Cooling				
	Abstraction Type:	Water may be abstracted from a single point				
	Source:	Groundwater				
	Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3):	Not Supplied				
	Details:	Salts No 1/ No 2 Stores / Grange No 2				
	Authorised Start:	01 April				
	Authorised End:	31 March				
	Permit Start Date:	30th March 1990				
	Permit End Date:	Not Supplied r: Located by supplier to within 10m				
_	Water Abstraction					
		Bass Brewers Limited	w	1073	2	4236
	Operator: Licence Number:	03/28/24/0047	**	1010	-	3232
	Permit Version:	100				
	Location:	Grange - Borehole 2				
	Authority:	Environment Agency, Midlands Region				
	Abstraction:	Breweries/Wine; Evaporative Cooling				
	Abstraction Type:	Water may be abstracted from a single point				
	Source:	Groundwater				
	Daily Rate (m3):	Not Supplied				
	Yearly Rate (m3):	Not Supplied				
		Salts No 1/ No 2 Stores / Grange No 2				
	Details:					
	Authorised Start:	01 April				
		31 March				
	Authorised Start:					

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Þ	Detalla	Compass Direction	Estimated Distance From Site	Contact	NGF
Water Abstractio	ns				
Operator:	Bass Brewers Limited	W	1073	2	42360
Licence Number:	03/28/24/0047				32320
Permit Version:	100				
Location:	Grange - Borehole 1				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied Not Supplied				
Yearly Rate (m3): Details:	Salts No 1 / No 2 Stores / Grange No 2				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied				
	cy: Located by supplier to within 10m				
Water Abstractio					
Operator:	Bass Brewers Limited	w	1073	2	4236
Licence Number:	03/28/24/0047				3232
Permit Version:	100				
Location:	Grange - Borahole 2				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Process Water				
Abstraction Type:					
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
Details:	Salts No. 1 / No. 2 Stores / Grange No. 2				
Authorised Start:	01 April 31 March				
Authorised End: Permit Start Date:					
Permit End Date:	Not Supplied				
	ry. Located by supplier to within 10m				
Water Abstractio	ns				
Operator:	Bass Brewers Limited	w	1073	2	42360
Licence Number:	03/28/24/0048	••		-	3232
Permit Version:	100				
Location:	Grange Well		- 1		
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Evaporative Cooling				
Abstraction Type:	·				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Shobnail No 4 / Grange /Cairo Well Etc				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied by: Located by supplier to within 10m				
				-	
Water Abstraction	ns Bass Brewers Limited	w	1073	2	4236
Operator: Licence Number:	03/28/24/0048	VV	1073	4	3232
Permit Version:	100				الالتما
Location:	Grange Well				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
Details:	Shobnall No 4 / Grange / Cairo Well Etc				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied				

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lep)	Details	Compass Direction	Estimated Distance From Site	Contact	NGF
Water Abstraction					
Operator:	Marston, Thompson & Evershed Pic	S	1078	2	42430
Licence Number:	03/28/24/0071				32230
Permit Version:	100				
Location:	Wood Street - 2 Boreholes (Nos 1 & 3)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Non-Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
	Not Supplied				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	The Brewery Shobnall Road - Wells/Borehole				
Details:	The state of the s				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				
Positional Accuracy	: Located by supplier to within 100m			_	
Water Abstraction					
Operator:	Marston, Thompson & Evershed Pic	S	1078	2	4243
Licence Number:	03/28/24/0071				3223
Permit Version:	100				
Location:	Wood Street - 2 Boreholes (Nos 1 & 3)				
Authority:	Environment Agency, Midlands Region				
	Breweries/Wine: Process Water				
Abstraction:					
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	The Brewery, Shobnall Road - Welfs/Borehole				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				
Positional Accuracy	Located by supplier to within 100m			_	_
Water Abstraction	8				
Operator:	Marston, Thompson & Evershed Pic	S	1078	2	4243
Licence Number:	03/28/24/0071	_		_	3223
					0220
Permit Version:	100				
Location:	Wood Street - 2 Boreholes (Nos 1 & 3)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Sports Grounds/Facilities: Spray Irrigation - Direct				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Sports Ground, Shobnall Road - Field Wells				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				
Positional Accurac	Located by supplier to within 100m				
Water Abstraction					
		NE	1079	2	4255
Operator:	Bass Brewers Limited	NE	1019	4	3240
Licence Number:	03/28/24/0048				3240
Permit Version:	100				
Location;	Sports Ground No 1 Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Shobnall No 4 / Grange /Cairo Well Etc				
Authorised Start:	01 April				
Authorised Start:	31 March				
Permit Start Date:	16th April 1991				
	Net Complied				
Permit End Date:	Not Supplied - Located by supplier to within 10m				

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lap)	Detaile	Compass Direction	Estimated Distance From Site	Contact	NG		
Water Abstra	ctions						
Operator:	Bass Brewers Limited	NE	1079	2	42550		
Licence Num					32400		
Permit Version							
Location:	Sports Ground No 1 Borehole						
Authority:	Environment Agency, Midlands Region						
Abstraction:	Breweries/Wine: Process Water						
Abstraction T							
Source:	Groundwater						
Daily Rate (m							
Yearly Rate (
Details:	Shobnall No 4 / Grange / Cairo Well Etc						
Authorised St							
Authorised Er							
Permit Start [
Permit End D							
	uracy: Located by supplier to within 10m						
Water Abstra							
Operator:	Marston, Thompson & Evershed Pic	SW	1116	2	4242		
Licence Num					3223		
Permit Versio							
Location:	Wood Street - Borehole (No 4)						
Authority:	Environment Agency, Midlands Region						
Abstraction:	Breweries/Wine: Non-Evaporative Cooling						
Abstraction T							
Source:	Groundwater						
Daily Rate (m							
Yearly Rate (
Details:	The Brewery,Shobnall Road - Wells/Borehole						
Authorised SI	· ·						
Authorised Er							
Permit Start I							
Permit End D	tte: Not Supplied uracy: Located by supplier to within 100m						
Water Abstra							
Operator:	Marston, Thompson & Evershed Pic	SW	1116	2	4242		
Licence Numi					3223		
Permit Versio							
Location:	Wood Street - Borehole (No 4)						
Authority:	Environment Agency, Midlands Region						
Abstraction:	Brewerles/Wine; Process Water						
Abstraction T							
Source:	Groundwater						
Daily Rate (m							
Yearly Rate (
Details:	The Brewery, Shobnall Road - Wells/Borehole						
Authorised St	· · ·						
Authorised En							
Permit Start D							
Permit End D	ite: Not Supplied uracy: Located by supplier to within 100m						
Water Abstra			4448		40.40		
Operator;	Marston, Thompson & Evershed Pic	SW	1116	2	4242		
Licence Num!					3223		
Permit Versio							
Location:	Wood Street - Borehole (No 4)						
Authority:	Environment Agency, Midlands Region						
Abstraction:	Sports Grounds/Facilities: Spray Irrigation - Direct						
Abstraction T							
Source:	Groundwater						
Daily Rate (m							
Yearly Rate (r							
Details:	Sports Ground, Shobnall Road - Field Wells						
A	rt: 01 April						
Authorised St							
Authorised En							
	ate: 28th April 1995						

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P	Detaile	Compass Direction	Estimated Distance From Site	Contact	NGR
Water Abstraction	75				
Operator:	Marston, Thompson & Evershed Pic	S	1173	2	42430
Licence Number:	03/28/24/0071				32220
Permit Version:	100				
Location:	Wood Street - Boreholes (Nos 5 & 6)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine; Non-Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	The Brewery Shobnall Road - Wells/Borehole				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied				
	y: Located by supplier to within 100m				
Water Abstraction					
	Marston, Thompson & Evershed Pic	S	1173	2	42430
Operator:		3	(1/3	2	3222
Licence Number:	03/28/24/0071				3444
Permit Version;	100				
Location:	Wood Street - Boreholes (Nos 5 & 6)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Process Water				
Abstraction Type:					
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
Details:	The Brewery,Shobnall Road - Wells/Borehole				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				
Positional Accurac	sy: Located by supplier to within 100m	-			
Water Abstraction	15				
Operator:	Marston, Thompson & Evershed Pic	S	1173	2	42430
Licence Number:	03/28/24/0071				3222
Permit Version:	100				
Location:	Wood Street - Boreholes (Nos 5 & 6)				
Authority:	Environment Agency, Midlands Region				
	Sports Grounds/Facilities: Spray Irrigation - Direct				
Abstraction:					
Abstraction Type:					
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
Details:	Sports Ground, Shobnatt Road - Field Wells				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				
	y: Located by supplier to within 100m				
Water Abstraction					
Operator:	British Waterways Board	NW	1186	2	42370
Licence Number:	03/28/24/0003				32400
Permit Version:	100				
Location:	Shobnall St, The Trent And Mersey Canal				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Other Industrial/Commercial/Public Services: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Surface				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
	The Works And Premises Of J.B. Kind Ltd., At Snobnall St, Burton-On-Trent, Staffs				
Details:	O1 April				
Details: Authorised Start:					
Authorised Start:					
Authorised Start: Authorised End:	31 March				
Authorised Start:	31 March				

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	Detalis	Compass Direction	Estimated Distance From Site	Contact	NGF
Water Abstraction	ns				
Operator:	Lloyds (Burton) Ltd	sw	1267	2	42351
Licence Number:	03/28/24/0091 /1				32275
Permit Version:	Not Supplied				
Location:	Wellington Road				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Cooling				
Abstraction Type:	Not Supplied				
Source:	Surface				
Daily Rate (m3):	1468				
Yearly Rate (m3):	154564				
Details:	Tattenhiii Brook				
Authorised Start:	Not Supplied				
Authorised End:	Not Supplied				
Permit Start Date:					
Permit End Date:	Not Supplied				
	by: Located by supplier to within 100m			-	_
Water Abstractio				_	455
Operator:	Bass Brewers Limited	W	1333	2	4234
Licence Number:	03/28/24/0048				3229
Permit Version:	100				
Location:	Shobnali No 4 Malthouse Well				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Evaporative Cooling				
Abstraction Type:					
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
Details:	Shobnall No 4 / Grange /Cairo Well Etc				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	·				
Permit End Date:	Not Supplied by Located by supplier to within 10m				
Water Abstractio					
		LAC .	1333	2	4234
Operator:	Bass Brewers Limited	W	1333	2	3229
Licence Number:	03/28/24/0048				3228
Permit Version:	100				
Location:	Shobnati No 4 Maithouse Well				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Process Water				
Abstraction Type:					
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
Details:	Shobnall No 4 / Grange / Cairo Well Etc				
Authorised Start: Authorised End:	01 April 31 March				
Permit Start Date: Permit End Date:	16th April 1991 Not Supp lied				
Positional Accura	ry: Located by supplier to within 10m				
Water Abstractio					
Operator:	Bass Brewers Limited	s	1353	2	4250
Licence Number:	03/28/24/0113				3220
Permit Version:	1				
Location:	Bond End - Well				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Evaporative Cooling				
Abstraction Type:					
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
Details:	Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:					
	Not Supplied				
Permit End Date:	by: Located by supplier to within 10m				

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P	Detalis	Compass Direction	Estimated Distance From Site	Contact	NGF	
Water Abstraction	18					
Operator:	Bass Brewers Limited	S	1353	2	42503	
Licence Number:	03/28/24/0113				32201	
Permit Version:	1					
Location	Bond End - Well					
Authority:	Environment Agency, Midlands Region					
Abstraction:	Breweries/Wine: Process Water					
Abstraction Type:	Water may be abstracted from a single point					
Source	Groundwater					
Daily Rate (m3):	Not Supplied					
Yearly Rate (m3):						
Details:	Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes					
Authorised Start:	O1 April					
Authorised End:	31 March					
Permit Start Date:						
Permit End Date:						
	Not Supplied					
	y: Located by supplier to within 10m					
Water Abstraction			40	-		
Operator:	Bass Brewers Limited	W	1370	2	4233	
Licence Number:	03/28/24/0113				3235	
Permit Version:	1					
Location:	Shobnall Fields, Burton On Trent, Staffs - (Cuckoo) Wells					
Authority:	Environment Agency, Midlands Region					
Abstraction:	Breweries/Wine: Evaporative Cooling					
Abstraction Type:	Water may be abstracted from a single point					
Source:	Groundwater					
Daily Rate (m3):	Not Supplied					
Yearly Rate (m3):						
Details	Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes					
Authorised Start:	01 April					
Authorised End:	31 March					
Permit Start Date:	4th January 1996					
Permit End Date:	Not Supplied					
Positional Accurac	y: Located by supplier to within 10m			_	_	
Water Abstraction	18					
Operator:	Bass Brewers Limited	W	1370	2	4233	
Licence Number:	03/28/24/0113				3235	
Permit Version:	1					
Location;	Shobnall Fields, Burton On Trent, Staffs - (Cuckoo) Wells					
Authority:	Environment Agency, Midlands Region					
Abstraction:	Breweries/Wine: Process Water					
Abstraction Type:	Water may be abstracted from a single point					
Source:	Groundwater					
Daily Rate (m3):	Not Supplied					
Yearty Rate (m3):	Not Supplied					
Details:	Bass Brewers Limited Burton On Trent, Staffs - Wells & Boreholes					
Authorised Start:	01 April					
Authorised End	31 March					
	4th January 1998					
Permit End Date:	Not Supplied					
	y: Located by supplier to within 10m					
Water Abstraction						
Operator:	Bradmore Gardens Allotment Association	67147	1274	2	42393	
,	03/28/24/0105	NW	1371	_		
Licence Number: Permit Version:	100				32447	
	100					
Location:	Bradmore Road Allotment Gardens - 2 Boreholes					
Authority:	Environment Agency, Midlands Region					
Abstraction:	General Farming And Domestic					
Abstraction Type:	Water may be abstracted from a single point					
Source:	Groundwater					
	Not Supplied					
Daily Rate (m3):	Not Supplied					
Yearly Rate (m3):						
	Bradmore Road Allotment Gardens, Burton-On-Trent - 2 Boreholes					
Yearly Rate (m3):						
Yearly Rate (m3): Details:	Bradmore Road Allotment Gardens, Burton-On-Trent - 2 Boreholes					
Yearly Rate (m3): Details: Authorised Start:	Bradmore Road Allotment Gardens, Burton-On-Trent - 2 Boreholes 01 April 31 October					
Yearly Rate (m3): Details: Authorised Start: Authorised End;	Bradmore Road Allotment Gardens, Burton-On-Trent - 2 Boreholes 01 April 31 October					

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(lap	Details	Compass Direction	Estimated Distance From Site	Contact	NGF
Water Abstraction	18				
Operator:	Bass Brewers Limited	NW	1454	2	42387
Licence Number:	03/28/24/0113				32453
Permit Version:	1				
Location:	Dallow Lane,Burton On Trent,Staffs - Well B				
Authority:	Environment Agency, Midlands Region				
Abstraction.	Breweries/Wine: Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
**					
Source:	Groundwater				
Dally Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	4th January 1998				
Permit End Date:	Not Supplied				
Positional Accurac	y: Located by supplier to within 10m				
Water Abstraction	12				
				_	
Operator:	Bass Brewers Limited	NW	1454	2	4238
Licence Number:	03/28/24/0113				3245
Permit Version:	1				
Location:	Dallow Lane,Burton On Trent,Staffs - Well B				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	4th January 1998				
Permit End Date:	Not Supplied				
Positional Accurac	y: Located by supplier to within 10m				
Water Abstraction	18				
Operator:	Bass Brewers Limited	NW	1460	2	42375
Licence Number:	03/26/24/0113	1444	1400	-	3244
Permit Version:	1			1.5	36996
	·				
Location:	Dallow Lane, Burton On Trent, Staffs - Well A				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Evaporative Cooling				
	Water may be abstracted from a single point				
Abstraction Type:					
Abstraction Type: Source:	Groundwater				
Abstraction Type:	Groundwater Not Supplied				
Abstraction Type: Source:	Groundwater				
Abstraction Type: Source: Daily Rate (m3):	Groundwater Not Supplied				
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3):	Groundwater Not Supplied Not Supplied				
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start:	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April				
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End:	Groundwater Not Supplied Not Supplied Bass Brewers Limited Burton On Trent Staffs - Wells & Boreholes 01 April 31 March				
Abstraction Type: Source: Daity Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date:	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998				
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied				
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accurace	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied y: Located by supplier to within 10m				
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy Water Abstraction	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied v: Located by supplier to within 10m				
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Positional Accurac Water Abstraction Operator:	Groundwater Not Supplied Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied y: Located by supplier to within 10m Bass Brewers Limited	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy Water Abstraction	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied v: Located by supplier to within 10m	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Positional Accurac Water Abstraction Operator:	Groundwater Not Supplied Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied y: Located by supplier to within 10m Bass Brewers Limited	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accurac Water Abstraction Operator: Licence Number:	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied y: Located by supplier to within 10m s Bass Brewers Limited 03/28/24/0113	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised End: Permit Start Date: Permit End Date: Positional Accurac Water Abstraction Operator: Licence Number: Permit Version: Location:	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied v: Located by supplier to within 10m ss Bass Brewers Limited 03/28/24/0113 1 Dallow Lane, Burton On Trent, Staffs - Welf A	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Positional Accurac Water Abstraction Operator: Licence Number: Permit Version: Location: Authority:	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied v: Located by supplier to within 10m s Bass Brewers Limited 03/28/24/0113 1 Dallow Lane, Burton On Trent, Staffs - Well A Environment Agency, Midlands Region	NW	1460	2	42375 32445
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accurac Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction:	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied Y: Located by supplier to within 10m 8 Bass Brewers Limited 03/28/24/0113 1 Dallow Lane, Burton On Trent, Staffs - Well A Environment Agency, Midlands Region Brewerles/Wine: Process Water	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuract Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type:	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied Y. Located by supplier to within 10m Bass Brewers Limited 03/28/24/0113 1 Dallow Lane, Burton On Trent, Staffs - Well A Environment Agency, Midlands Region Breweries/Wine: Process Water Water may be abstracted from a single point	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Petalis: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accurac Water Abstraction Operation: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source:	Groundwater Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied V. Located by supplier to within 10m 8 Bass Brewers Limited 03/28/24/0113 1 Dallow Lane, Burton On Trent, Staffs - Welt A Environment Agency, Midlands Region Breweries/Wine: Process Water Water may be abstracted from a single point Groundwater	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Positional Accurac Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction: Source: Daily Rate (m3):	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied v: Located by supplier to within 10m ss Bass Brewers Limited 03/28/24/0113 1 Dallow Lane, Burton On Trent, Staffs - Well A Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit Start Date: Positional Accurace Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3):	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied Y. Located by supplier to within 10m S Bass Brewers Limited 03/28/24/0113 1 Dallow Lane, Burton On Trent, Staffs - Well A Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accurac Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3):	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied v: Located by supplier to within 10m ss Bass Brewers Limited 03/28/24/0113 1 Dallow Lane, Burton On Trent, Staffs - Well A Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit Start Date: Positional Accurace Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3):	Groundwater Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied Y. Located by supplier to within 10m S Bass Brewers Limited 03/28/24/0113 1 Dallow Lane, Burton On Trent, Staffs - Well A Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit Start Date: Positional Accurace Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details:	Groundwater Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied y: Located by supplier to within 10m 8 Bass Brewers Limited 03/28/24/0113 1 Dallow Lane, Burton On Trent, Staffs - Well A Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accurac Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End:	Groundwater Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied P. Located by supplier to within 10m 88 Bass Brewers Limited 03/28/24/0113 1 Dallow Lane, Burton On Trent, Staffs - Welt A Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March	NW	1460	2	
Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Petails: Authorised Start: Authorised End: Permit Start Date: Permit Start Date: Positional Accurac Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start:	Groundwater Not Supplied Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March 4th January 1998 Not Supplied Not Supplied P: Located by supplier to within 10m ss Bass Brewers Limited 03/28/24/0113 1 Dallow Lane, Burton On Trent, Staffs - Welt A Environment Agency, Midlands Region Brewerles/Wine: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Not Supplied Bess Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes 01 April 31 March	NW	1460	2	

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	Details	Compass Direction	Estimated Distance From Site	Contact	NGF
Water Abstraction					
Operator:	Bass Brewers Limited	W	1461	2	42330
Licence Number:	03/28/24/0048				32280
Permit Version:	100				
Location:	Cairo Well				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Shobnali No 4 / Grange /Cairo Well Etc				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	16th April 1991				
Permit End Date:	Not Supplied				
	: Located by supplier to within 10m				
Water Abstraction		101	4464		40000
Operator:	Bass Brewers Limited	w	1461	2	42330 32280
Licence Number:	03/28/24/0048				3228
Permit Version:	100				
Location:	Cairo Well				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewarles/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Shobnali No 4 / Grange / Cairo Well Etc				
Authorised Start:	01 April				
Authorised End:	31 March 16th April 1991				
Permit Start Date:	Not Supplied				
Permit End Date:	r. Located by supplier to within 10m				
Water Abstraction					
		141	4.470	2	42320
Operator:	Marston, Thompson & Evershed Pic	W	1472	2	32320
Licence Number:	03/28/24/0071				3232
Permit Version:	100				
Location:	Well (No 8 & Deep Bore No2)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Braweries/Wine: Non-Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	The Brewery, Shobnall Road - Wells/Borehole				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied r: Located by supplier to within 100m				
Water Abstraction		144	4470		42220
Operator:	Marston, Thompson & Evershed Plc	W	1472	2	42320
Licence Number:	03/28/24/0071				32320
Permit Version:	100				
Location:	Well (No 8 & Deep Bore No2)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater Net Supplied				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied The Research Shaharil Board - WelterBorehole				
Details:	The Brewery,Shobnati Road - Wetts/Borehole 01 April				
	III BOOK				
Authorised Start:					
Authorised Start: Authorised End:	31 March				
Authorised Start:					

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Ma _j ID	P	Detalia	Compass Direction	Estimated Distance From Site	Contact	NGR
	Water Abstraction	5			21.01	
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type:	Marston, Thompson & Evershed Pic 03/28/24/0071 100 Well (No 8 & Deep Bore No2) Environment Agency, Midlands Region Sports Grounds/Facilities; Spray Irrigation - Direct Water may be abstracted from a single point Groundwater	w	1472	2	423200 323200
	Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit End Date: Positional Accuracy	Not Supplied Not Supplied Sports Ground, Shobnall Road - Field Wells 01 April 31 March 28th April 1995 Not Supplied y: Located by supplier to within 100m				
5						
	Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type:	Mona Land Allotment Assocn 03/28/24/0008 Not Supplied Horninglow Environment Agency, Midlands Region Agriculture (General) Not Supplied	NW	1498	2	423900 324600
	Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start; Authorised End: Permit End Date: Positional Accuracy	Well 1 109 Status: Revoked; Lapsed Or Cancelled Not Supplied Not Supplied Not Supplied Not Supplied Not Supplied Located by supplier to within 100m				
	Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy Water Abstraction	Bestfoods Uk Limited 03/28/24/0079 100 Wellington Road, Burton-On-Trent - Borehole Environment Agency, Midlands Region Food And Drink: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Wellington Road, Burton-On-Trent 01 April 31 March 5th January 1998 Not Supplied r: Located by supplier to within 10m	sw	1542	2	423300 322600
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Vearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	Bestfoods Uk Limited 03/28/24/0079 100 Wellington Road, Burton-On-Trent - Borehole Environment Agency, Midlands Region Food And Drink: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Wellington Street Extension - Borehole 01 April 31 March 5th January 1998 Not Supplied Located by supplier to within 10m	sw	1542	2	423300 322600

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(ep)	Details	Compass Direction	Estimated Distance From Site	Contact	NGF
Water Abstraction					
Operator:	Bestfoods Uk Limited	SW	1547	2	42329
Licence Number:	03/28/24/0094				32261
Permit Version:	100				
Location:	Weilington Road, Burton-On-Trant - Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Food & Drink: Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Wellington Road, Burton-On-Trent - Borehole				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	9th April 1998				
Permit End Date:	Not Supplied				
	: Located by supplier to within 100m				
Water Abstraction			40.0		
Operator:	Bestfoods Uk Limited	SW	1547	2	4232
Licence Number:	03/28/24/0094				3226
Permit Version:	100				
Location:	Wellington Road, Burton-On-Trent - Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Food And Drink: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Wellington Road, Burton-Or-Trent - Borehole				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	9th April 1998				
Permit End Date:	Not Supplied				
	Located by supplier to within 10m				
Water Abstraction					
Operator:	Marston, Thompson & Evershed Pic	w	1567	2	42310
		***	1007	-	3233
Licence Number:	03/28/24/0071				7277
Permit Version:	100				
Location:	Brewery Yard - Well (No 13)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine; Non-Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	The Brewery, Shobnall Road - Wells/Borahole				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				
Positional Accuracy	Located by supplier to within 100m				_
Water Abstraction					
Operator:	Marston, Thompson & Evershed Pic	w	1567	2	4231
Licence Number:	03/28/24/0071	**		_	3233
Permit Version:	100				
Location:	Brewery Yard - Well (No 13)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source;	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	The Brewery, Shobnall Road - Wells/Borehole				
	01 April				
Authorised Start:					
Authorised Start: Authorised End:	31 March				
Authorised End:	31 March 28th April 1995 Not Supplied				

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ip.	Details	Compass Direction	Estimated Distance From Site	Contact	NGF
Water Abstraction	18				
Operator:	Marston, Thompson & Evershed Pic	W	1567	2	42310
Licence Number:	03/28/24/0071				32330
Permit Version:	100				
Location:	Brewery Yard - Well (No 13)				
Authority:	Environment Agency, Midlands Region				
Abstraction: Abstraction Type:	Sports Grounds/Facilities: Spray Imigation - Direct Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Sports Ground, Shobnall Road - Field Wells				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				
	y: Located by supplier to within 100m				
Water Abstraction					
Operator:	Marston, Thompson & Evershed Pic	W	1572	2	4231
Licence Number:	03/28/24/0071				3232
Permit Version:	100				
Location:	Crossman Street - Well (No 9)				
Authority:	Environment Agency, Midlands Region				
Abstraction: Abstraction Type:	Breweries/Wine: Non-Evaporative Cooling Water may be abstracted from a single point				
Abstraction Type: Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	The Brewery, Shobnall Road - Wells/Borehole				
Authorised Start:	01 April				
Authorised End:	31 Merch				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				
	y: Located by supplier to within 100m				_
Water Abstraction	8				
Operator:	Marston, Thompson & Evershed Pic	W	1572	2	4231
Licence Number:	03/28/24/0071				3232
Permit Version:	100				
Location:	Crossman Street - Well (No 9)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source: Daily Rate (m3):	Groundwater Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	The Brewery, Shobnall Road - Wells/Borehole				
Authorised Start:	O1 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				
Positional Accurac	Located by supplier to within 100m				
Water Abstraction	8				
Operator:	Marston, Thompson & Evershed Pic	W	1572	2	42310
Licence Number:	03/28/24/0071				3232
Permit Version:	100				
Location:	Crossman Street - Wefl (No 9)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Sports Grounds/Facilities: Spray Irrigation - Direct				
Abstraction Type:	Water may be abstracted from a single point Groundwater				
Source: Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Sports Ground, Shobnall Road - Field Wells				
Authorised Start:	O1 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied				

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ap	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Water Abstraction	8	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Operator:	Bass Brewers Limited	s	1582	2	42437
Licence Number:	03/28/24/0113				32176
Permit Version:	1				
Location:	Briggs Tubes(Blackpool St) ,Burton On Trent, - 6 Boretubes				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3): Details:	Not Supplied				
Authorised Start:	Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes				
Authorised End:	01 April 31 March				
Permit Start Date:	4th January 1998				
Permit End Date:	Not Supplied				
	CLocated by supplier to within 10m				
Water Abstraction					
Operator:	Bass Brawers Limited	s	1582	2	42437
Uperator: Licence Number:	03/28/24/0113	3	1982	4	32176
Permit Version:	1				32170
Location:	Briggs Tubes(Blackpool St) ,Burton On Trent, - 6 Borelubes				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	4th January 1998				
Permit End Date:	Not Supplied				
	: Located by supplier to within 10m				
Water Abstraction					
Operator:	Marston, Thompson & Evershed Pic	W	1582	2	42310
Licence Number:	03/28/24/0071				32310
Permit Version:	100				
Location:	Crossman Street - Well (No 10)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Non-Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	The Brewery, Shobnall Road - Wells/Borehole				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date: Positional Accuracy	Not Supplied Located by supplier to within 100m				
Water Abstraction					
		141	4800	-	40240
Operator:	Marston, Thompson & Evershed Pic	W	1582	2	42310
Licence Number: Permit Version:	03/28/24/0071				32310
Location:	Crossman Street - Well (No 10)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	The Brewery,Shobnall Road - Wells/Borehole				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				

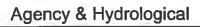
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ip	(Details)	Compass Direction	Estimated Distance From Site	Contact	NGR
Water Abstraction	8				
Operator:	Marston, Thompson & Evershed Pic	W	1582	2	42310
Licence Number:	03/28/24/0071				32310
Permit Version:	100				
Location;	Crossman Street - Well (No 10)				
Authority:	Environment Agency, Midtands Region				
Abstraction:	Sports Grounds/Facilities: Spray Irrigation - Direct				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater Not Supplied				
Daily Rate (m3): Yearly Rate (m3):	Not Supplied				
Details:	Sports Ground, Shobnati Road - Field Wells				
Authorised Start:	O1 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				
	y: Located by supplier to within 100m				
Water Abstraction	NS .				
Operator:	Bass Brewers Limited	w	1583	2	42311
Licence Number:	03/28/24/0113	**		-	32360
Permit Version:	1				
Location:	Shobnall Maltings, Burton On Trent, Staffs - Well				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	4th January 1998				
Permit End Date:	Not Supplied				
Positional Accurac	y: Located by supplier to within 10m			_	_
Water Abstraction	16				
Operator:	Bass Brewers Limited	W	1583	2	42311
Licence Number:	03/28/24/0113				32360
Permit Version:	1				
Location:	Shobnall Maltings, Burton On Trent, Staffs - Well				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Bass Brewers Limited, Burton On Trent, Staffs - Wells & Boreholes				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	4th January 1998				
Permit End Date:	Not Supplied				
	y: Located by supplier to within 10m			-111-11	
Water Abstraction		_	4544	_	40.47
Operator:	Bass Brewers Limited	S	1614	2	42470 32170
Licence Number: Permit Version:	03/28/24/0048 100				32170
	Blackpool Well				
	Environment Agency, Midtands Region				
Location:					
Location: Authority:					
Location: Authority: Abstraction:	Brewerles/Wine: Evaporative Cooling				
Location: Authority: Abstraction: Abstraction Type:	Brawerles/Wine: Evaporative Cooling Water may be abstracted from a single point				
Location: Authority: Abstraction: Abstraction Type: Source:	Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater				
Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3):	Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied				
Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3):	Brawerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied				
Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details:	Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Shobnall No 4 / Grange /Cairo Well Etc				
Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start:	Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Shobnell No 4 / Grange /Cairo Well Etc 01 April				
Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End:	Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Shobnall No 4 / Grange /Cairo Welf Etc 01 April 31 March				
Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start:	Brewerles/Wine: Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Shobnell No 4 / Grange /Cairo Well Etc 01 April				

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P	Details	Compass Direction	Estimated Distance From Site	Contact	NGF
Water Abstraction	8				
Operator;	Bass Brewers Limited	S	1614	2	42470
Licence Number:	03/28/24/0048				32170
Permit Version:	100				
Location:	Blackpool Well				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Shobnall No 4 / Grange / Cairo Well Etc				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	16th April 1991				
Permit End Date:	Not Supplied				
	r: Located by supplier to within 10m				-
Water Abstraction					
Operator:	Marston, Thompson & Evershed Pic	W	1667	2	42300
Licence Number:	03/28/24/0070				32330
Permit Version:	100				
Location:	Deep Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Marstons Brewery, Shobnall Road, Burton				
Authorised Start:	O1 April				
Authorised End:	31 March				
Permit Start Date:	31st January 1995				
Permit End Date:	Not Supplied Located by supplier to within 100m				
Water Abstraction					
Operator:	Marston, Thompson & Evershed Pic	W	1667	2	42300
Licence Number:	03/28/24/0070				32330
Permit Version:	100				
Location:	Deep Borehole	,			
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Marstons Brewery, Shobnall Road, Burton				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	31st January 1995				
Permit End Date:	Not Supplied				
Permit End Date: Positional Accuracy	Not Supplied Located by supplier to within 10m				
Permit End Date:	Not Supplied Located by supplier to within 10m				
Permit End Date: Positional Accuracy Water Abstraction Operator:	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic	w	1671	2	
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number:	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071	w	1671	2	
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number: Permit Version:	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071	w	1671	2	
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number: Permit Version: Location:	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071 100 Crossman Street - Well (No 11)	w	1671	2	
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number: Permit Version: Location: Authority:	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071 100 Crossman Street - Well (No 11) Environment Agency, Midlands Region	w	1671	2	
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction:	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071 100 Crossman Street - Well (No 11) Environment Agency, Midlands Region Breweries/Wine: Non-Evaporative Cooling	w	1671	2	42300 32320
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type:	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071 100 Crossman Street - Well (No 11) Environment Agency, Midlands Region Brewerles/Wine: Non-Evaporative Cooling Water may be abstracted from a single point	w	1871	2	
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source:	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071 100 Crossman Street - Well (No 11) Environment Agency, Midlands Region Breweries/Wine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater	w	1871	2	
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3):	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071 100 Crossman Street - Well (No 11) Environment Agency, Midlands Region Breweries/Wine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied	w	1671	2	
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3):	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071 100 Crossman Street - Well (No 11) Environment Agency, Midlands Region Breweries/Wine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied	w	1671	2	
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details:	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071 100 Crossman Street - Well (No 11) Environment Agency, Midlands Region Breweries/Wine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied The Brewery,Shobnall Road - Wells/Borehole	w	1671	2	
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start:	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071 100 Crossman Street - Well (No 11) Environment Agency, Midlands Region Brewerles/Wine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied The Brewery,Shobnall Road - Wells/Borehole 01 April	w	1871	2	
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start; Authorised End:	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071 100 Crossman Street - Well (No 11) Environment Agency, Midlands Region Breweries/Wine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied The Brewery,Shobnall Road - Wells/Borehole 01 April 31 March	w	1671	2	
Permit End Date: Positional Accuracy Water Abstraction Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start:	Not Supplied Located by supplier to within 10m Marston, Thompson & Evershed Pic 03/28/24/0071 100 Crossman Street - Well (No 11) Environment Agency, Midlands Region Brewerles/Wine: Non-Evaporative Cooling Water may be abstracted from a single point Groundwater Not Supplied Not Supplied The Brewery,Shobnall Road - Wells/Borehole 01 April	w	1871	2	

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Map D	Details	Compass Direction	Estimated Distance From Site	Contact	NGR		
Water Abstraction	8						
Operator:	Marston, Thompson & Evershed Plc	W	1671	2	42300		
Licence Number:	03/28/24/0071				32320		
Permit Version:	100						
Location:	Crossman Street - Well (No 12)						
Authority:	Environment Agency, Midlands Region						
Abstraction:	Breweries/Wine: Non-Evaporative Cooling						
Abstraction Type:	Water may be abstracted from a single point						
Source:	Groundwater						
Daily Rate (m3):	Not Supplied						
Yearty Rate (m3):	Not Supplied						
Details:	The Brewery,Shobnall Road - Wells/Borehole						
Authorised Start:	01 April						
Authorised End:	31 March						
Permit Start Date:	28th April 1995						
Permit End Date:	Not Supplied						
	: Located by supolier to within 100m						
Water Abstraction							
		187	1671	2	42300		
Operator:	Marston, Thompson & Evershed Pic	W	10/1	2	3232		
Licence Number:	03/28/24/0071				3232		
Permit Version:	100						
Location:	Crossman Street - Well (No 11)						
Authority:	Environment Agency, Midlands Region						
Abstraction:	Breweries/Wine; Process Water						
Abstraction Type:	Water may be abstracted from a single point						
Source:	Groundwater						
Daily Rate (m3):	Not Supplied						
Yearly Rate (m3):	Not Supplied						
Details:	The Brewery,Shobnall Road - Wells/Borehole						
Authorised Start:	01 April						
Authorised End:	31 March						
Permit Start Date:	28th April 1995						
Permit End Date:	Not Supplied						
	:Located by supplier to within 100m	100					
Water Abstraction							
Operator:	Marston, Thompson & Evershed Plc	W	W 1671	2	42300		
Licence Number:	/28/24/0071						32320
Permit Version:	100						
Location:	Crossman Street - Weil (No 12)						
Authority:	Environment Agency, Midlands Region						
Abstraction:	Brawerles/Wina; Process Water						
Abstraction Type:	Water may be abstracted from a single point						
Source:	Groundwater						
Daily Rate (m3):	Not Supplied						
Yearly Rate (m3):	Not Supplied						
Details:	The Brewery, Shobnall Road - Wells/Borehole						
Authorised Start:	O1 April						
Authorised End:	31 March						
Permit Start Date:	28th April 1995						
Permit End Date:	Not Supplied						
	Located by supplier to within 100m						
Water Abstraction							
Operator:	Marston, Thompson & Evershed Pic	w	1671	2	42300		
Licence Number:	03/28/24/0071	**	1977	-	32320		
Permit Version:	100						
Location:	Crossman Street - Well (No 11)						
Authority:	Environment Agency, Midlands Region						
Abstraction:	Sports Grounds/Facilities: Spray Irrigation - Direct						
	Water may be abstracted from a single point						
Abstraction Type:							
Source:	Groundwater Net Symplicat						
Daily Rate (m3):	Not Supplied						
Yearly Rate (m3):	Not Supplied						
Details:	Sports Ground, Shobriell Road - Field Wells						
Authorised Start:	01 April						
Authorised End:	31 March						
Permit Start Date:	28th April 1995						
	Not Supplied						
Permit End Date:	Located by supplier to within 100m						

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aport Reference: 272022-1-1



sp	Details	Compass Direction	Estimated Distance From Site	Contact	NGI
Water Abstraction	IS .				
Operator:	Marston, Thompson & Evershed Pic	W	1671	2	42300
Licence Number:	03/28/24/0071				32320
Permit Version:	100				
Location:	Crossman Street - Well (No 12)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Sports Grounds/Facilities; Spray Irrigation - Direct				
Abstraction Type:	Water may be abstracted from a single point Groundwater				
Source: Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Sports Ground, Shobnall Road - Field Wells				
Authorised Start:	O1 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied				
Positional Accurac	Located by supplier to within 100m				
Water Abstraction	1				
Operator:	Bass Brewers Limited	NW	1672	2	4239
Licence Number:	03/28/24/0048	****		_	3246
Permit Version:	100				
Location:	Wyggeston Street Well - A				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
Details:	Shobnall No 4 / Grange /Cairo Well Etc				
Authorised Start: Authorised End:	01 April 31 March				
Permit Start Date:					
Permit End Date:	Not Supplied				
	y: Located by supplier to within 10m				
Water Abstraction	3				
Operator:	Bass Brewers Limited	NW	1672	2	42390
Licence Number:	03/28/24/0048	****	1012	_	3248
Permit Version:	100				0270
Location:	Wyggeston Street Well - B				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Shobnall No 4 / Grange /Cairo Well Etc				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	16th April 1991				
Permit End Date:	Not Supplied r.Located by supplier to within 10m				
Water Abstraction					
	Bass Brewers Limited	b mar	4670	2	42390
Operator: Licence Number:	03/28/24/0048	NW	1672	2	3248
Permit Version:	100				J4401
Location:	Wyggeston Street Well - C				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Shobnail No 4 / Grange /Cairo Well Etc				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	16th April 1991				
Permit End Date:	Not Supplied				
	Located by supplier to within 10m				

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ap	Detaila	Compass Direction	Estimated Distance From Site	Contact	NGI
Water Abstraction	8				
Operator:	Bass Brewers Limited	NW	1672	2	42390
Licence Number:	03/28/24/0048				32480
Permit Version:	100				
Location:	Wyggeston Street Well - A				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Shobnall No 4 / Grange / Cairo Weil Etc				
	01 April				
Authorised Start:					
Authorised End:	31 March				
Permit Start Date:	16th April 1991				
Permit End Date:	Not Supplied				
Positional Accurac	Located by supplier to within 10m				
Water Abstraction	8				
Operator:	Sass Brewers Limited	NW	1672	2	4239
Licence Number:	03/28/24/0048				3246
Permit Version:	100				
Location:	Wyggeston Street Well - B				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine; Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
	Not Supplied				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
Details:	Shobnati No 4 / Grange / Cairo Well Etc				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	16th April 1991				
Permit End Date:	Not Supplied				
Positional Accurac	:Located by supplier to within 10m				
Water Abstraction	8				
Operator:	Bass Brewers Limited	NW	1672	2	4239
Licence Number:	03/28/24/0048	****		_	3248
Permit Version:	100				02.70
Location:	Wyggeston Street Well - C				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Sourca:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Shobnall No 4 / Grange / Cairo Well Etc				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied				
	Located by supplier to within 10m				
Water Abstraction					
Operator:	Btr Silvertown Ltd	N	1750	2	4242
Licence Number:	03/2B/24/0040	14	1100	-	3250
Permit Version:	100				
Location:	Press Shop Borehole				
	Environment Agency, Midlands Region				
Authority:	Rubber; Non-Evaporative Cooling				
Abstraction:	Water may be abstracted from a single point				
Abstraction:	Groundwater				
Abstraction: Abstraction Type: Source:					
Abstraction: Abstraction Type: Source: Daily Rate (m3):	Groundwater Not Supplied				
Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3):	Groundwater Not Supplied Not Supplied				
Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearty Rate (m3): Details:	Groundwater Not Supplied Not Supplied B.T.R. Silvertown Limited, Burton-On-Trent				
Abstraction: Abstraction Type: Source: Deliy Rate (m3): Yearly Rate (m3): Details: Authorised Start:	Groundwater Not Supplied Not Supplied B.T.R. Silvertown Limited, Burton-On-Trent 01 April				
Abstraction: Abstraction Type: Source: Deily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End:	Groundwater Not Supplied Not Supplied Not Supplied B.T.R. Silvertown Limited, Burton-On-Trent 01 April 31 March				
Abstraction: Abstraction Type: Source: Deliy Rate (m3): Yearly Rate (m3): Details: Authorised Start:	Groundwater Not Supplied Not Supplied Not Supplied B.T.R. Silvertown Limited, Burton-On-Trent 01 April 31 March				

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вр	Details	Compass Direction	Estimated Distance From Site	Contac	NGR
Water Abstraction	8				
Operator:	Btr Silvertown Ltd	N	1750	2	42420
Licence Number:	03/28/24/0040				32500
Permit Version:	100				
Location:	Press Shop Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Rubber: Process water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater Not Supplied				
Daily Rate (m3): Yearly Rate (m3):	Not Supplied				
Details:	Premises Of B.T.R. Silvertown Limited				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied				
Positional Accuracy	Located by supplier to within 10m				
Water Abstraction	1				
Operator:	Silvertown Uk Limited	N	1750	2	42420
Licence Number:	03/28/24/0040			-	32500
Permit Version:	101				
Location:	Press Shop Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Rubber: Non-Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	B.T.R. Silvertown Limited, Burton-On-Trent				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied r. Located by supplier to within 10m				
Water Abstraction					
	Silvertown Uk Limited	N	1750	2	42420
Operator: Licence Number:	03/28/24/0040	N	1/50	~	32500
Permit Version:	101				32300
Location:	Press Shop Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Rubber: Process water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Premises Of B.T.R. Silvertown Limited				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	12th December 1997				
Permit End Date:	Not Supplied				
	:Located by supplier to within 10m				
Water Abstraction					
Operator:	Marston, Thompson & Evershed Pic	w	1767	2	42290
Licence Number:	03/28/24/0071				32330
Permit Version:	100				
Location:	Field Wells - 3 Wells (Nos 4,5 & 6)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Non-Evaporative Cooling Water may be abstracted from a single point				
Abstraction Type:	Water may be abstracted from a single point Groundwater				
Source:	Not Supplied				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3); Datails:	The Brewery,Shobnall Road - Wells/Borehole				
Authorised Start:	01 April				
Authorised Start:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				

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ap	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Water Abstraction	ns				
Operator:	Marston, Thompson & Evershed Pic	W	1767	2	42290
Licence Number	03/28/24/0071				32330
Permit Version:	100				
Location:	Field Wells - 3 Wells (Nos 4,5 & 6)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
Details:	The Brewery,Shobnati Road - Weils/Borehole				
Authorised Start:	01 April 31 March				
Authorised End: Permit Start Date:					
Permit Start Date:	Not Supplied				
	ry; Located by supplier to within 100m				
Water Abstractio					
		w	1767	2	42290
Operator: Licence Number:	Marston, Thompson & Evershed Pic 03/28/24/0071	AA	1/0/	-	32330
Permit Version:	100				42331
Location:	Field Wells - 3 Wells (Nos 4,5 & 6)				
	Environment Agency, Midlands Region				
Authority: Abstraction:	Sports Grounds/Facilities: Spray Irrigation - Direct				
Abstraction Type:					
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
Details:	Sports Ground, Shobnall Road - Field Wells				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied				
	ry: Located by supplier to within 100m				_
Water Abstractio	ns .				
Operator:	Marston, Thompson & Evershed Pic	w	1770	2	42290
Licence Number:	03/28/24/0071	**	1176	-	32340
Permit Version:	100				
Location:	Field Wells - 3 Wells (Nos 1,2 & 3)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Sports Grounds/Facilities: Spray Irrigation - Direct				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Sports Ground, Shobnail Road - Field Wells				
Authorised Start:	O1 April				
Authorised End:	31 March				
Permit Start Date:	28th April 1995				
Permit End Date:	Not Supplied				
Positional Accurac	y, Located by supplier to within 100m			-	_
Water Abstractio	ns				
Operator:	Marston, Thompson & Evershed Pic	w	1770	2	42290
Licence Number:	03/28/24/0071				3234
Permit Version:	100				
Location:	Field Wells - 3 Wells (Nos 1,2 & 3)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Non-Evaporative Cooling				
Abstraction Type:					
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):					
Details:	The Brewery, Shobnall Road - Wells/Borehole				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied				
	y: Located by supplier to within 100m				

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P	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Water Abstract	ons		7		
Operator	Marston, Thompson & Evershed Pic	W	1770	2	42290
Licence Number	: 03/28/24/0071				32340
Permit Version:	100				
Location:	Field Wetts - 3 Wetls (Nos 1,2 & 3)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Brewerles/Wine: Process Water				
Abstraction Typ					
Source:	Groundwater				
Daily Rate (m3)					
Yearly Rate (m3					
Details:	The Brewery, Shobnall Road - Wells/Borehole				
Authorised Start					
Authorised End					
Permit Start Da					
Permit End Date					
	acy: Located by supplier to within 100m				
Water Abstract					
Operator:	Derwent Hydroelectric Power Ltd	NE	1771	2	4263
Licence Numbe					3240
Permit Version:	100				
Location:	Burton Mill - River Trent				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Production Of Energy: Mechanical Non Electrical: Milling & Water Power Other Than Electricity Generation	1			
Abstraction Typ	Water may be abstracted from a single point				
Source:	Surface				
Daily Rate (m3)					
Yearly Rate (m:					
Details:	Burton Mill - River Trent				
Authorised Star	: 01 April				
Authorised End	31 March				
Permit Start Da	e: 8th August 1997				
Permit End Date					
Positional Accu	acy: Located by supplier to within 100m				
Water Abstract	dons				
Operator:	British Waterways Board	N	1787	2	42460
Licence Numbe					32510
Permit Version:	100				
Location	B.T.R. Silvertown - Trent And Mersey Canal				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Rubber: Non-Evaporative Cooling				
Abstraction Typ					
Source:	Surface				
Daily Rate (m3)					
Yearly Rate (m.): Not Supplied				
Details.	B.T.R. Silvertown, Horninglow Works				
Authorised Star					
Authorised End					
Permit Start Da					
Permit End Dat	e: Not Supplied				
Partitional Asset	acy: Located by supplier to within 10m				

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ap	Octalis	Compass Direction	Estimated Distance From Site	Contact	NGR
Water Abstraction	ns				
Operator:	Marston, Thompson & Evershed Pic	W	1871	2	42280
Licence Number:	03/28/24/0071				32320
Permit Version:	100				
Location:	Field Wells - Well (No 7)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Non-Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point Groundwater				
Source: Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	The Brewery,Shobnall Road - Wells/Borehole				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied				
Positional Accurac	y: Located by supplier to within 100m				
Water Abstraction	18				
Operator:	Marston, Thompson & Evershed Pic	w	1871	2	42280
Licence Number:	03/28/24/0071				32320
Permit Version:	100				
Location;	Field Wells - Well (No 7)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Breweries/Wine: Process Water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3): Details:	Not Supplied The Prevent Shahed Pond - Wells/Reserved				
Authorised Start:	The Brewery,Shobnati Road - Wells/Borehole 01 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:	Not Supplied				
	y: Located by supplier to within 100m				
Water Abstraction	18				
Operator:	Marston, Thompson & Evershed Pic	w	4074	-	42200
Licence Number:	03/28/24/0071	VV.	1871	2	42280
Permit Version:	100				32320
Location:	Field Wells - Well (No 7)				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Sports Grounds/Facilities: Spray Irrigation - Direct				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Dally Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Sports Ground, Shobnall Road - Field Wells				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:					
Permit End Date:					
	y: Located by supplier to within 100m				
Water Abstraction					
Operator: Licence Number:	Btr Silvertown Ltd 03/28/24/0040	N	1887	2	42460
Permit Version:	100				32520
Location:	North Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Rubber: Non-Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	B.T.R. Silvertown Limited, Burton-On-Trent				
Authorised Start:	01 April				
Authorised End:	31 March				
	23rd October 1980				
Permit Start Date:					
Permit Start Date: Permit End Date:	Not Supplied				

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	Details	Compass Direction	Estimated Distance From Site	Contact	NGR		
Water Abstraction							
Operator:	Btr Silvertown Ltd	N	1887	2	42460		
Licence Number:	03/28/24/0042				32520		
Permit Version:	100						
Location:	Hominglow Road, Burton - Unnamed Watercourse						
Authority:	Environment Agency, Midlands Region						
Abstraction:	Rubber: Non-Evaporative Cooling						
Abstraction Type:	Water may be abstracted from a single point						
Source:	Surface						
Daily Rate (m3):	Not Supplied						
Yearly Rate (m3):	Not Supplied						
Details:	B.T.R. Silvertown Limited, Burton						
Authorised Start:	01 April						
Authorised End:	31 March						
Permit Start Date:							
Permit End Date:	Not Supplied						
	: Located by supplier to within 10m						
Water Abstraction				2			
Operator:	Bir Silvertown Ltd	N	1867	2	42460		
Licence Number:	03/28/24/0040				3252		
Permit Version:	100						
Location:	North Borehole						
Authority:	Environment Agency, Midlands Region						
Abstraction:	Rubber: Process water						
Abstraction Type:	Water may be abstracted from a single point						
Source:	Groundwater						
Daily Rate (m3):	Not Supplied						
Yearly Rate (m3):	Not Supplied						
Details:	Premises Of B.T R. Silvertown Limited						
Authorised Start:	01 April						
Authorised End:	31 March						
Permit Start Date:							
Permit End Date: Positional Accuracy	Not Supplied CLocated by supplier to within 10m						
Water Abstraction							
		N	1887	2	4246		
Operator:	Btr Silvertown Ltd		1007	•	3252		
Licence Number:	03/28/24/0042				3232		
Permit Version:	100 Horninglow Road,Burton - Unnamed Watercourse						
Location:	Environment Agency, Midlands Region						
Authority:	Rubber: Process water						
Abstraction:	Water may be abstracted from a single point						
Abstraction Type:							
Source:	Surface Not Supplied						
Daity Rate (m3)	Not Supplied						
Yearly Rate (m3):	B.T.R. Silvertown Limited, Burton						
Details: Authorised Start:	01 April						
Authorised Start:	31 March						
Permit Start Date:							
Permit End Date:	Not Supplied						
Positional Accurac	r. Located by supplier to within 10m						
Water Abstraction							
	Silvertown Uk Limited	N	1887	2	4246		
Operator:	03/28/24/0040	17	1001	-	3252		
Licence Number: Permit Version:	101						
Location:	North Borehole						
Authority:	Environment Agency, Midlands Region						
Abstraction:	Rubber: Non-Evaporative Cooling						
Abstraction Type:	Water may be abstracted from a single point						
	Groundwater						
	Not Supplied						
Source:							
Source: Daily Rate (m3):							
Source: Daily Rate (m3): Yearly Rate (m3):	Not Supplied						
Source: Daily Rate (m3): Yearly Rate (m3): Details:	Not Supplied B.T.R. Silvertown Limited, Burton-On-Trent						
Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start:	Not Supplied B.T.R. Silvertown Limited, Burton-On-Trent 01 April						
Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End:	Not Supplied B.T.R. Silvertown Limited, Burton-On-Trent 01 April 31 March						
Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start:	Not Supplied B.T.R. Silvertown Limited, Burton-On-Trent 01 April 31 March						

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	Details	Compass Direction	Estimated Distance From Site	Contact	NG
Water Abstraction					
Operator:	Silvertown Uk Limited	N	1887	2	42460
Licence Number:	03/28/24/0040				32520
Permit Version:	101				
Location:	North Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Rubber: Process water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Premises Of B.T.R. Silvertown Limited				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	12th December 1997				
Permit End Date:	Not Supplied				
	: Located by supplier to within 10m				
Water Abstraction					
Operator:	Silvertown Uk Limited	N	1887	2	4246
Licence Number:	03/28/24/0042				3252
Permit Version:	101				
Location:	Horninglow Road, Burton - Unnamed Watercourse				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Rubber: Non-Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Surface				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	B.T.R. Silvertown Limited, Burton				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	12th December 1997				
Permit End Date:	Not Supplied				
	: Located by supplier to within 10m				
Water Abstraction					
	Silvertown Uk Limited	A.I	1887	2	4246
Operator:		N	1007	2	
Licence Number:	03/28/24/0042				3252
Permit Version:	101				
Location:	Horninglow Road, Burton - Unnamed Watercourse				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Rubber: Process water				
Abstraction Type:	Water may be abstracted from a single point				
Sourca:	Surface				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	B.T.R. Silvertown Limited,Burton				
Authorised Start:	O1 April				
Authorised End:	31 March				
Permit Start Date:	12th December 1997				
Permit End Date:	Not Supplied				
	: Located by supplier to within 10m				
Water Abstraction					
Operator:	Btr Silvertown Ltd	N	1894	2	4245
Licence Number:	03/28/24/0040	••		-	3252
Permit Version:	100				
Location:	South Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Rubbert Non-Evaporative Cooling				
*	Water may be abstracted from a single point				
Abstraction Type:	Groundwater				
Source:					
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	B.T.R. Silvertown Limited, Burton-On-Trent				
Authorised Start:	01 April				
Authorised End:	31 March				
CO III CONTRACTOR CONTRACTOR	23rd October 1980				
Permit Start Date:					
Permit Start Date: Permit End Date:	Not Supplied				

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sp	Details	Compass Direction	Distance From Site	Contact	NGI
Water Abstraction	8				
Operator:	Btr Silvertown Ltd	N	1894	2	42450
Licence Number:	03/28/24/0040				32520
Permit Version:	100				
Location:	South Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction: Abstraction Type:	Rubber; Process water Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3):	Not Supplied				
Yearly Rate (m3):	Not Supplied				
Details:	Premises Of B.T.R. Silvertown Limited				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	23rd October 1980				
Permit End Date:	Not Supplied				
Positional Accuracy	Located by supplier to within 10m				
Water Abstraction	8				
Operator:	Silvertown Uk Limited	N	1894	2	4245
Licence Number:	03/28/24/0040	,-		_	3252
Permit Version:	101				
Location:	South Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Rubber: Non-Evaporative Cooling				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater Not Supplied				
Daily Rate (m3):	Not Supplied Not Supplied				
Yearly Rate (m3): Details:	B.T.R. Silvertown Limited, Burton-On-Trent				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	12th December 1997				
Permit End Date:	Not Supplied				
Positional Accuracy	: Located by supplier to within 10m				
Water Abstraction	•				
Operator:	Silvertown Uk Limited	N	1894	2	42450
Licence Number:	03/28/24/0040				3252
Permit Version:	101				
Location:	South Borehole				
Authority:	Environment Agency, Midlands Region				
Abstraction:	Rubber: Process water				
Abstraction Type:	Water may be abstracted from a single point				
Source:	Groundwater				
Daily Rate (m3): Yearly Rate (m3):	Not Supplied Not Supplied				
Details:	Premises Of B.T.R. Silvertown Limited				
Authorised Start:	01 April				
Authorised End:	31 March				
Permit Start Date:	12th December 1997				
Permit End Date:	Not Supplied				
Positional Accuracy	: Located by supplier to within 10m				
Groundwater Vuln	erability				
Geological	Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured		0	3	4246
Classification:	rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow				3233
	to rivers				
Soil Classification:	Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case				
Map Sheet:	vulnerability classification (H) assumed, until proved otherwise Sheet 23 Leicestershire				
Scale:	1:100,000				
Drift Deposits					
Description	None				
		-			

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Map D	<u>Details</u>	Compass Direction	Estimated Distance From Site	Contact	NGR
Fluvial Indicative	Floodplains				
Type: Source:	Fluvial Indicative Flood Zone Environment Agency, Head Office	•	0	3	42467 32331
Tidal Indicative I	Floodplains				
Description	None	•	1.	15	
Source Protection	on Zones				
Name:	Various	-	0	3	42467
Source:	Environment Agency, Head Office				32331
Reference:	Not Supplied Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater				
Type:	source.				
Source Protection	on Zones				
Name:	Various	-	0	3	42467
Source:	Environment Agency, Head Office Not Supplied				32331
Reference: Type:	Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time	10			
Source Protection	whichever is greater,				
Name:	Various		0	3	42467
Source	Environment Agency, Head Office		•	•	32331
Referença:	Not Supplied				
Туре:	Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.				
Source Protection					
Name:	Allied - Burton (1b)	N	322	3	42469
Source:	Environment Agency, Head Office				32364
Reference	Md242				
Type:	Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.				
Source Protection	on Zones				
Name:	Allied - Burton (2)	W	385	3	42430
Source:	Environment Agency, Head Office				32320
Reference:	Md295 Groundwater Source				
Type: Source Protection					
Name:	Allied - Burton (1b)	N	388	3	42470
Source:	Environment Agency, Head Office	**	500	•	32370
Reference:	Md242				
Туре:	Groundwater Source	-		-	
Source Protection	on Zones				
Name:	Allied - Burton (1c)	NW	420	3	42443
Source:	Environment Agency, Head Office				32366
Reference:	Md243 Zana I (lance Protection Zana): Toront time of 50 days or less to the conjuntuater				
Type:	Zone 1 (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.				
Source Protection	on Zones				
Name:	Allied - Burton (1a)	NW	468	3	42430
Source:	Environment Agency, Head Office				32360
Reference: Type:	Md241 Groundwater Source				
Source Protection					
Name:	Allied - Burton (1c)	NW	470	3	42440
Source:	Environment Agency, Head Office			_	32370
Reference:	Md243				
Type:	Groundwater Source				

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ар	Detalls	Compass Direction	Estimated Distance From Site	Contact	NGR
Source Protec	tion Zones				
Name: Source: Reference:	Bass - Burton (1) Environment Agency, Head Office Md244	SE	585	3	425140 322960
Тура:	Zone I (Inner Protection Zone); Travel time of 50 days or tess to the groundwater source.				
Source Protec	etion Zones				
Name:	Bass - Burton (1)	SE	674	3	42520
Source:	Environment Agency, Head Office				32290
Reference:	Md244				
Type:	Groundwater Source				
Source Protec	ation Zones				
Name:	Heritage	sw	901	3	42405
Source	Environment Agency, Head Office				32266
Reference:	Md298				
Тура:	Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.				
Source Protec	ction Zones				
Name:	Heritage	sw	977	3	42400
Source:	Environment Agency, Head Office		-	_	32260
Reference:	Md298				
Type:	Groundwater Source				
River Flood D	ata (Scotland)				
Description	None	1	4		1.2





Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Local Authority La	ndfill Coverage				
	Name:	Staffordshire County Council - Has supplied landfill data		0	4	424670 323310
	Local Authority La	ndfiil Coverage				
	Name:	East Staffordshire District Council - Has no landfill data to supply to Landmark	-	0	1	424670 323310
	Registered Waste	Transfer Sites				
103	Boundary Quality: Waste Types on Site:	Little Burton West, Derby Street, BURTON UPON TRENT, Staffordshire, DE14 1PR As Site Address Environment Agency - Midlands Region, Upper Trent Area Transfer Very Small (Less than 10,000 tonnes per year) No known restriction on source of waste Licence lapsed/cancelled/defunct/not applicable/surrendered 1st December 1985 Not Given Not Given : Approximate location provided by supplier Not Supplied	N	590	5	424600 323900
	Authorised Waste Prohibited Waste	Bagged Asbestos Liquid Wastes Sludge Wastes				



Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Registered Waste	Transfer Sites				
104	Licence Holder: Licence Reference: Site Location: Operator Location: Authority: Site Category: Maximum Input Rate: Waste Source Restrictions: Licence Status: Dated: Preceded By Licence: Superseded By Licence:	Wilshees Skip Hire 5/C/93/0550 (W38) Wilshees Skip Hire, Wharf Road, Burton Upon Trent, Staffordshire 170 Wood Lane, Newhall, Burton Upon Trent, Staffordshire Environment Agency - Midlands Region, Upper Trent Area Transfer Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) No known restriction on source of waste Operational as far as is known 1st February 1996 5/C/93/0550 (W38) Not Given	NE	788	5	42520(32390(
	Prohibited Waste	Gravel, Slate, Hardcore, Silica, Silit Inert Waste Consisting Of Leather Max. Waste Permitted By Licence Metal Cans Motor Vehicle Batteries Paper (Incl. Oiled/Tarred) Plasterboard Plastics (Finished Products/Scrap) Sawdust/Sanderdust Scrap Metal Shotblasting Residues Textiles (Wool -> Nat'L/Man-Made Fibre Tree, Bush, Grass, Weed, Hedge Cut, Brash Uncontam. Top/Subsoil, Stone, Clay, Sand Unsorted Demol, Waste Untreated Timber Weathered Tar/Bitumen Aggregate Wood/Prods(Chip/Hardboard) Clinical - As in Controt, Waste Regs'92 Drummed Wastes Foundry Sand Liquid Wastes Mat'l. More Than Slightly Contam Powders/Waste If Moisture > 80% W/W Spec. Waste (Epa'90:S62/1996 Regs)N.O.S Special Wastes				



Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Registered Waste	Transfer Sites				
104	Licence Holder: Licence Reference: Site Location: Operator Location: Authority: Site Category: Maximum Input Rate: Waste Source Restrictions: Licence Status: Dated; Preceded By Licence: Superseded By Licence; Positional Accuracy Boundary Quality: Waste Types on Site:	Wilshees Skip Hire 5/C/93/0550 (W38) Wilshees Skip Hire, Wharf Road, Burton Upon Trent, Staffordshire 170 Wood Lane, Newhall, Burton Upon Trent, Staffordshire Environment Agency - Midlands Region, Upper Trent Area Transfer Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) No known restriction on source of wasta Record superseded 6th October 1993 Not Given 5/C/93/0550 (W38) 7: Approximate location provided by supplier Not Supplied	NE	792	5	425200 323900
	Authorised Waste	Com. & Ind. Waste Construction And Demolition Wastes Excavation Waste Household Waste Clinical - As In Wmp 25 Drums/Containers, Full Or Empty Liquid Wastes Notifiable Wastes Notifiable Wastes Powders/W. Likely Cause Airborne Dusts Putrescible Waste Skidge Wastes Skidge Wastes Skidges With Water Content > 30% Special Wastes Waste N.O.S.				



Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Registered Waste	Fransfer Sites				
05	Licence Holder: Licence Reference: Site Location: Operator Location; Authority: Site Category: Maximum Input Rate; Waste Source Restrictions: Licence Status; Dated: Precaded By Licence: Superseded By	Simsmetal Uk Ltd	sw	815	5	42424 32262
	Licence:	Manually positioned to the address or location Not Supplied				
	Site: Authorised Waste	Cement Asbestos Only Degradable Commercialwaste (As In Post'98 E.A.Lics & Equivalent To 22.09.02) Degradable Household Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.01) Degradable Industrial Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.03) Inert Materials (As In Post'98 E.A.Lics And Equivalent To 21.00.00) Maximum Storage Of Inert Waste Maximum Storage Of Mixed Waste Scrap Metal (As In Post'98 E.A.Lics And Equivalent To 23.00.00) Special Waste (As In Epa 1990;S62 Of 1996 Regs) - Comprising				
	Prohibited Waste	Liquid Wastes Material With Haz.Code H 1 - Explosive Material With Haz.Code H 2 - Oxidising Material With Haz.Code H 3a - Highly Flammable Material With Haz.Code H 3b - Flammable Material With Haz.Code H 5 - Harmful Material With Haz.Code H 5 - Harmful Material With Haz.Code H 8 - Corrosive Material With Haz.Code H 9 - Infectious Material With Haz.Code H 10 - Teratogenic Material With Haz.Code H 11 - Mutagenic Material With Haz.Code H 12 - Can Release Toxic Gases Other Waste/Waste Not Otherwise Specified Powders Sludge Wastes Special Waste (As In Epa 1990:562 Of 1996 Regs) Not Otherwise Specified				
	Registered Waste	Transfer Sites				
106	Licence Holder: Licence Reference: Site Location: Operator Location: Authority: Site Category: Maximum Input Rate: Waste Source Restrictions:	Hawkins Lane, BURTON UPON TRENT, Staffordshire, DE14 1PC	NE	895	5	42513 32408
	Licence Status: Dated: Preceded By Licence: Superseded By Licence:	Licence lapsed/cancelled/defunct/not applicable/surrendered 1st February 1993 Not Given Not Given				
	Positional Accuracy Boundary Quality: Waste Types on Site:	Manually positioned to the road within the address or location Not Supplied				
	Authorised Waste Prohibited Waste	Cellulose Thinners Contam.With Paint Solids Waste N.O.S.				

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Mep ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Registered Waste	Transfer Sites				
107	Licence Holder:	Burton Asbestos Removal Ltd	NE	966	5	42510
	Licence Reference:					32420
	Site Location:	Hawkins Lane, Burton Upon Trent, Staffordshire				
	Operator Location:	As Site Address				
	Authority:	Environment Agency - Midlands Region, Upper Trent Area				
	Site Category: Maximum Input	Transfer Very Small (Less than 10,000 tonnes per year)				
	Rate: Waste Source Restrictions:	No known restriction on source of waste				
	Licence Status:	Licence lapsed/cancelled/defunct/not applicable/surrendered				
	Dated:	1st July 1989				
	Preceded By	Not Given				
	Licence:					
	Superseded By	Not Given				
	Licence:					
	Positional Accuracy	Approximate location provided by supplier				
	Boundary Quality: Waste Types on	Not Supplied				
	Site:	* * * * :				
	Authorised Waste	Asbestos				
	Prohibited Waste	Max.Storage Permitted By Licence Orums/Similar - Full Or Empty				
	Prohibited waste	Liquid/Sludge Wastes				
		Notifiable Wastes N.O.S.				
		Special Wastes N.O.S.				
	Registered Waste	Treatment or Disposal Sites				
108	Licence Holder:	Moores (Burton On Trent) Ltd	sw	715	5	42430
100		5/L/91/0404 (SDL M 3)			_	32270
	Site Location:	Paget Street, Burton Upon Trent, Staffordshire				
	Operator Location:					
	Authority:	Environment Agency - Midlands Region, Upper Trent Area				
	Site Category:	Scrapyard - with Transfer Station				
	Maximum Input Rate:	Very Large (Equal to or greater than 250,000 tonnes per year)				
	Waste Source Restrictions:	No known restriction on source of waste				
	Licence Status:	Operational as far as is known				
	Dated:	1st December 1991				
	Preceded By	Not Given				
	Licence:					
	Superseded By	Not Given				
	Licence:					
		:: Approximate location provided by supplier				
	Boundary Quality:	Nat Supplied				
	Waste Types on Site:					
	Authorised Waste	Dry Inert Com/Ind/H'Hold Waste Scrap Metal				
	Prohibited Waste	Clinical - As In Control. Waste Regs'92				
	() () () () ()	Difficult Waste N.O.S.				
		Drummed Waste				
		Elemental Sodium/Potassium				
		Liquid Westes				
		Metal In Fine Powder Form				
		Percussive/Explosive Waste				
		Powders/Likely Cause Airborne Dust				
		Pressurised Containers				
		Pressurised Containers Skidge Wastes Spec.Waste (Epa'90:S62/1996 Regs)N.O.S				

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Map ID		Detalls	Compass Direction	Estimated Distance From Site	Contact	NGR
	BGS Boreholes					
109	BGS Reference: Drifled Length (m): Borehole Name:	Sk22sw384 7.32 Ind Coope Ltd.Station Street Tubes	sw	110	6	42461 32322
	BGS Boreholes					
109	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw383 7.32 Ind Coope Ltd.Station Street Tubes	sw	118	6	42461 32321
	BGS Boreholes					
109	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw382 7.32 Ind Coope Ltd.Station Street Tubes	sw	132	6	42460 32320
	BGS Boreholes					
109	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw381 7.32 Ind Coope Ltd Station Street Tubes	sw	146	6	42459 32319
	BGS Boreholes					
109	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw380 7.32 Ind Coope Ltd.Station Street Tubes	sw	154	6	42459 32318
	BGS Boreholes					
110	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw389 9.14 Ind Coope Ltd Engine House Well	NW	165	6	4245 3234
	BGS Boreholes					
111	BGS Reference: Orliled Length (m): Borehole Name:	Sk22sw379 7.32 Ind Coope Ltd.Station Street Tubes	sw	168	6	42456 32317
	BGS Boreholes					
112	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw386 8.53 Ind Coope Ltd, Yard Well	sw	216	6	42447 32322
	BGS Boreholes					
113	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw81 4 Moor Mill Burton On Trent Bh1	N	226	6	42467 32354
	BGS Boreholes	THOS WILL SELECTION OF THE SELECTION OF				
113	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw82 4 Moor Mill Burton On Trent Bh2	N	248	6	42464 32356
	BGS Boreholes					
14	BGS Reference: Drilled Length (m):	Sk22sw86 4 Moor Mill Burton On Trant Bh6a	NW	232	6	42446 32345
	Borehole Name: BGS Boreholes	WIGG WIII DECEMBER DIOS				
114	BGS Reference: Orilled Length (m):	Sk22sw87 4 Accordable Surface On Treest Sh7	NW	233	6	42446 32342
-	Borehole Name:	Moor Mill Burton On Trent Bh7				
14	BGS Boreholes BGS Reference: Drilled Length (m):	Sk22sw85	NW	236	6	42450 32340
_	Borehole Name:	Moor Mill Burton On Trent Bh5			_	_
15	BGS Boreholes BGS Reference: Drilled Length (m):	Sk22sw88 4	w	237	6	42444 32336

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	BGS Boreholes					
15	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw69 4 Moor Mill Burton On Trant Bh9	W	249	6	42442 32334
	BGS Boreholes					
116	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw2 387.09 Ind Coope And Alisopps Brawery	w	238	6	42443 32330
116	BGS Boreholes BGS Reference:	Sk22sw385	w	251	6	42442
	Orilled Length (m): Borehole Name:	8,53 Ind Coope Ltd.Garden Weil				32327
116	BGS Boreholes BGS Reference: Drilled Length (m):	Sk22sw90	w	268	6	42440 32329
_	Borehole Name:	Moor Mill Burton On Trent Bh10			_	
116	BGS Boreholes BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw374 5.18 Ind Coope Ltd Nr. Railway Crossing	w	279	6	42439 32328
	BGS Boreholes					
17	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw84 2 Moor Mill Burton On Trent Bh4	NW	256	6	4245 3235
	BGS Boreholes					
16	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw92 4 Moor Mill Burton On Trent Bh12	W	283	6	4244 3232
	BGS Boreholes					
18	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw91 4 Moor Mill Burton On Trent Bh11	W	306	6	4243 3232
	BGS Boreholes	Index will be a second of the				
118	BGS Reference: Orliled Length (m): Borehole Name:	Sk22sw93 4 Moor Mill Burton On Trent Bh13	sw	317	6	4243 3231
	BGS Borsholes	THE WIND STATE OF THE STATE OF				
119	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw63 4 Moor Milit Burton On Trent Bh3	N	283	6	4245 3235
	BGS Boreholes	mod min out and				
20	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw162 6.05 Burton On Trent Proposed Ntn Lk A36 Bh21	NE	319	6	4248 3235
	BGS Boreholes	grant of the same state of the				
20	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw163 6.05 Burton On Trent Proposed Nin Lk A38 Bh22	NE	356	6	4248 3236
	BGS Boreholes					
21	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw285 Not Supplied Ind Coope Breweries Bh 1	N	344	6	42474 3236
	BGS Boreholes					
21	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw351 Not Supplied Ind Coope Brawery	N	344	6	42474 3236

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Map D		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	BGS Boreholes					
22	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw363 8 03 Bass Charrington Burton-On-Trent Plough Well	NE	345	6	42498 32346
	BGS Boreholes					
23	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw47 Not Supplied Staffordshire Knot Burton On Trent	s	346	6	42479 32299
	BGS Boreholes					
123	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw357 Not Supplied Bass Charrington Burton-On Trent	S	346	6	42479 32299
	BGS Boreholes					
123	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw358 Not Supplied Bass Charrington Burton-On Trent	S	346	6	42479 32299
	BGS Boreholes					
123	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw359 Not Supplied Bass Charrington Burton-On Trent	s	346	6	42479 32299
	BGS Boreholes					
124	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw9 315.16 Trumans Brewery	NW	348	6	42447 32360
	BGS Bareholes					
125	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw7 304.19 Mermite Co 3 Burton	sw	362	6	42447 32301
	BGS Boreholes					
125	BGS Reference: Orliled Length (m): Borehole Name:	Sk22sw48/C 274,32 Marmite Food Co Cross St Burlon On Trent	sw	368	6	42446 32301
	BGS Boreholes					
125	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw48/B 303.27 Marmite Food Co Cross St Burton On Trent	sw	405	6	42447 32296
	BGS Boreholes					
126	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw94 4 Moor Mill Burton On Trent Bh14	sw	367	6	42435 32313
	BGS Boreholes					
27	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw373 Not Supplied Truman, Hanbury And Buxton	w	377	6	42430 32340
	BGS Boreholes					
28	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw350 Not Supplied Roberts And Birch	w	385	6	42430 32320
	BGS Boreholes					
129	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw420 8 53 Homiglow St. Burton On Trent	N	391	6	42473 32370
	BGS Boreholes					
30	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw367 9.45 Bass Charrington Burton-On-Trent Brawery Well No.1	SE	408	6	42494 32301

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGI
	BGS Boreholes					
131	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw95 4 Moor Mill Burton On Trent Bh15	SW	410	6	4243 3230
	BGS Boreholes					
132	BGS Reference: Drifled Length (m): Borehole Name:	Sk22sw50/B 34.44 Trumen, Hanbury & Co Brewery 8-On-Trent	NW	413	6	4243 3236
	BGS Boreholes	Hullen, Herbary & Co Divinary D-Oir Holk				
132	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw50/C 34.74 Trumen, Hanbury & Co Brewery B-On-Trent	NW	413	6	4243 3236
	BGS Boreholes					
32	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw50/D 34.74 Trumen, Hanbury & Co Brewery B-On-Trent	NW	413	6	4243 3236
	BGS Boreholes					
132	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw50/E 35.05 Trumen, Hanbury & Co Brewery 8-On-Treet	NW	413	6	4243 3236
	BGS Boreholes					
132	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw50/A 34.44 Trumen, Hanbury & Co Brawery B-On-Trent	NW	413	6	4243 3236
	BGS Boreholes					
133	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw364 Not Supplied Bass Charrington Burton-On-Trent Yard B/H	s	415	6	4245 3229
	BGS Boreholes	The state of the s				
134	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw438 Not Supplied Pure ice And Hop Storage Burton On Trent	NW	421	6	4245 3237
	BGS Boreholes					
135	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw45/A 30,48 Union Street Burton On Trent	S	429	6	4247 3229
	BGS Boreholes					
35	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw45/B 8.53 Union Street Burton On Trant	s	429	6	4247 3229
	BGS Boreholes					
136	BGS Reference: Drilled Length (m):	Sk22sw165/A 3 B-On-Trent Proposed Ntn Lk A38 Bh24	NE	431	6	4249 3236
_	Borshole Name: BGS Borsholes	Ongrittion (1900) on the Cr. No. Onto				
36	BGS Reference: Orilled Length (m):	Sk22sw165/B 6.05	NE	431	6	4249 3236
_	Borehole Name: BGS Boreholes	B-On-Trent Proposed Ntn Lk A38 Bh24b				
36	BGS Reference: Drilled Length (m):	Sk22sw164 6.05	NE	436	6	4249 3236
_	Borehole Name:	B-On-Trent Proposed Ntn Lk A38 Bh24a				
37	BGS Boreholes BGS Reference: Orilled Length (m):	Sk22sw48/A 76.2	sw	434	6	4244 3229

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Map ID		Detalls	Compass Direction	Estimated Distance From Site	Contact	NGF
	BGS Boreholes					
138	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw46/A 245.66 Worthingtons 4 Burton On Trent	SE	448	6	42493 32295
	BGS Boreholes					
39	BGS Reference: Drilled Length (m):	Sk22sw96 4 Moor Mill Burton On Trent Bh16	sw	448	6	4243 3230
_	Borehole Name: BGS Boreholes	MIDOX MIII BUILDIN CIT FIERA SITTO				
39	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw362 13.05 Bass Charrington Burton-On-Trent Mosley St. Well	sw	464	6	4243 3230
	BGS Boreholes					
39	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw97 4 Moor Mill Burton On Trent Bh17	sw	490	6	4243 3229
	BGS Boreholes					
40	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw365 8.33 Bass Cherrington Burton-On-Trant Melbourne Well	sw	476	6	4244 3228
	BGS Boreholes					
41	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw166 6.05 B-On-Trent Proposed Ntn Lk A38 Bh25	NE	511	6	4249 3237
	BGS Boreholes					
141	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw243 4 Moor Mill Dam Bh2	NE	517	6	4249 3237
	BGS Boreholes	WOOT THE GOAT THE				
141	BGS Reference: Drilled Length (m):		NE	517	6	4249 3237
_	Borehole Name:	Moor Mill Dam Bh3		1445		
141	BGS Boreholes BGS Reference: Drilled Length (m):	Sk22sw245	NE	517	6	4249 3237
-	Borehole Name:	Moor Mill Dam Bh4				
141	BGS Boreholes BGS Reference: Drilled Length (m):	Sk22sw247 4	NE	517	6	4249 3237
_	Borehole Name:	Moor Mill Dam Bh6				
141	BGS Boreholes BGS Reference: Orilled Length (m):	Sk22sw248	NE	517	6	4249 3237
_	Borehole Name:	Moor Mill Dam Sh7				_
	BGS Boreholes				_	46.1-
41	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw246 3 Moor Mill Dam Bh5	NE	517	6	4249 3237
	BGS Boreholes					
141	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se134 6.05 Burton On Trent Proposed Nth Lk Bh26	NE	539	6	4250 3237
	BGS Boreholes					
142	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw366 Not Supplied Bass Charrington Burton-On-Trent Garage B/H	s	512	6	4245 3228

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Ma ID	9	Details	Compass Direction	Estimated Distance From Site	Contact	NG
	BGS Boreholes	I have				-
143	BGS Reference: Drilled Length (m); Borehole Name:		sw	524	6	4242 3229
	BGS Boreholes	Moor Mill Burton On Trent Bh18				_
144	BGS Reference: Orilled Length (m):	Sk22sw288 348	w	526	6	4241 3232
	Borehole Name: BGS Boreholes	Ind Coope Brewery Burton				_
144	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw377 15.24 Ind Coope Ltd Curzon Street Field Well	w	528	6	4241 3232
	BGS Boreholes	The state of the s				
145	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw44 7.62 Shobnell Burton On Trent	SE	528	6	4249 3226
	BGS Boreholes					
45	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw429 9.14 Bass Charringtons Station St.	SE	532	6	4248 3228
	BGS Boreholes					
46	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw43 9.14 Ind Coope & Allsopp Burton On Trent	S	551	6	4246 3227
	BGS Boreholes					
47	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw167 6.05 B-On-Trent Proposed Ntn Lk A38 Bh26s	NE	561	6	4249 3237
	BGS Bareholes					
48	BGS Reference: Drilled Length (m): Bornhole Name:	Sk22se46 122.22 Worthington 3	NE	578	6	4252 3235
	BGS Boreholes					
49	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se493 8.15 Bass Charrington Burton-On-Trent Makings	E	580		4252 3234
	BGS Boreholes					
50	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw99 4 Moor Mill Burton On Trent Bh19	5W	580		4242 3229
	BGS Boreholes					
50	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw100 4 Moor Mill Burton On Trent Bh20	sw	623		42424 3228
	BGS Boreholes	The state of the s				
51	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw323 Not Supplied Orchard Street Burton Bh2	s	580		42453 32275
	BGS Boreholes		-			
51	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw322 Not Supplied Orchard Street Burton Bh1	5	592		12452 32274
	BGS Boreholes			-		_
	BGS Reference: Drilled Length (m):	Sk22se489 231.04 High Street, Burlon-On-Trent	SE	592		12511 12292

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	BGS Boreholes					
152	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se45 137.16 Worthington & Co Burton On Trent	SE	598	6	42510 32290
	BGS Boreholes					
153	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se135 6.05 Burton On Trent Proposed Nth Lk Bh27	NE	604	6	42504 32379
	BGS Boreholes	garan on front reposed for a sec.				
154	BGS Reference; Drilled Length (m): Borehole Name:	Sk22se477 Not Supplied Bass Charrington Burton-On-Trent Anderstaff Lane	NE	604	6	42517 32365
	BGS Boreholes					
155	BGS Reference; Drilled Length (m); Borehole Name;	Sk22sw6 31.08 Marmite Co Bh3 Burton	S	615	6	42486 32273
	BGS Boreholes					
155	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw72 10.05 New St Burton On Trent No.1+2	S	643	6	42486 32270
	BGS Boreholes					
156	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw387 Not Supplied Ind Coops Ltd Brook Street	w	618	6	4240 3232
	BGS Boreholes					
157	BGS Reference: Drilled Length (m): Borengle Name:	Sk22se496 9,14 Ind Coope Ltd. Old Brewery Well	E	620	6	4252 3231
	BGS Boreholes	,				
158	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se168 8.23 Bass Charrington Burton-On-Trent Wheelwrights Yard	E	631	6	42529 32342
_	BGS Boreholes					
159	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se136 6.05 Burton On Trent Proposed Nth Lk Bh28	NE	664	6	42506 32385
	BGS Boreholes					
160	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw101 4 Moor Mill Burton On Trent Bh21	sw	667	6	42423 32281
	BGS Boreholes					
160	BGS Reference: Drilled Length (m):	Sk22sw102 4 Allow Mills Parter On Treat Bh27	sw	710	6	42421 32277
-	Borehole Name: BGS Boreholes	Moor Mill Burton On Trent Bh22				
101	BGS Reference:	Sk22se169	SE	676	6	42515
161	Drilled Length (m): Borehole Name:	8.23 Arbor Well Burton -On-Trent	95	0/0	9	32284
	BGS Boreholes					
62	BGS Reference: Orifled Length (m): Borehole Name:	Sk22se162 113.36 Bass Chamington Burton-On-Trent Salts 2	E	680	6	42533 32316
	BGS Boreholes					
-	BGS Reference: Orilled Length (m): Borehole Name:	Sk22se163 121.92 Bass Charrington Burton-On-Trent Salts 1	Ē	880	6	42533 32316

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Mep ID		Details : 1	Compass Direction	Estimated Distance From Site	Contact	NGI
	BGS Boreholes			340		
163	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw419 30.02 Ind Coope Ltd. Victoria Street	N	695	6	4244 3239
	BGS Boreholes					
163	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw409 27.43 Pure Ice Co. Burton On Trent	N	713	6	4244 3239
	BGS Boreholes					
163	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw410 7.62 Pure Ice Co. Burton On Trent	N	733	6	4244 3240
	BGS Boreholes					
164	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw376 7.92 Ind Coope Ltd, Curzon Street	W	698	6	4240 3230
	BGS Boreholes					
164	BGS Reference: Orkled Length (m): Borehole Name:	Sk22sw378 12,19 Ind Coope Lid,'8' Stores Well	W	701	6	4240 3231
	BGS Boreholes					
165	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se497 8.23 Ox Hay Trent Bridge	SE	702	6	4252 3228
	BGS Boreholes					
166	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw152 6.95 Proposed Cross Town Primary Route Bh105	sw	704	6	4240 3229
	BGS Boreholes					
167	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se164 47.85 Saks Anderstaff Ln	NE	744	6	4253 3236
	BGS Boreholes					
168	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw153 8.05 Proposed Cross Town Primary Route Bh106	sw	745	6	4241 3228
	BGS Boreholes					
68	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw154 9.7 Proposed Cross Town Primary Route Bh107	sw	780	6	4240 3228
	BGS Boreholes					
69	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw411 5.72 Pure Ice Co. Burton On Trent	N	755	6	4244 3240
	BGS Boreholes					-
70	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se492 Not Supplied Bass Charrington Burton-On-Trent Arbor Welf	SE	756	6	4253 3229
	BGS Boreholes					
71	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw42 7.31 Dale Street Burton On Trent	sw	757	6	4241 3227
	BGS Boreholes	was summer out itsis				
71	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw155 10.5 Proposed Cross Town Primary Route Bh107a	sw	772	6	4241 3227

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	BGS Boreholes					
172	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw168 7.9 B-On-Trent East-West Primary Bh201	S	757	6	42460 32256
	BGS Boreholes					
172	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw169 8.1 8-On-Trent East-West Primary Bh202	s	790	6	42457 32253
	BGS Boreholes					
173	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw151 7 Proposed Cross Town Primary Route Bh104	sw	760	6	42405 32287
Т	BGS Boreholes					
174	BGS Reference: Orilled Length (m): Borehole Name:	Sk22se137 6.05 Burton On Trent Proposed Nth Lk Bh30	NE	761	6	42510 32394
	BGS Boreholes					
174	BGS Reference: Drilled Length (m): Borehole Name;	Sk22se138 6.05 Burton On Trent Proposed Nth Lk Bh30a	NE	783	6	42508 32398
	BGS Boreholes					
175	BGS Reference: Drilled Length (m); Borehole Name:	Sk22se44 131,36 Burton Brewery Co Artesian Well	NE	770	6	42526 32378
	BGS Boreholes					2
176	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se498 Not Supplied Bass Brewery Old Hay Well	E	770	6	42543 32321
	BGS Boreholes					
177	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se139 6.05 Burton On Trent Proposed Nth Lk Bh30b	NE	772	6	42504 32399
	BGS Boreholes					
178	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw150/A-G 32.03 Proposed Cross Town Primary Route	SW	785	6	42400 32290
	BGS Boreholes					
79	BGS Reference: Orilled Length (m): Borehole Name:	Sk22se479 7.32 Ind Coope Ltd.Hay Tubes	E	792	6	42544 32314
П	BGS Boreholes					
179	BGS Reference: Orllied Length (m): Borehole Name:	Sk22se481 7.32 Ind Coope Ltd Hay Tubes	E	794	6	42544 32313
	BGS Boreholes					
179	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se482 7.32 Ind Coope Ltd Hay Tubes	É	796	6	42544 32312
	BGS Boreholes					
179	BGS Reference: Drilled Length (m): Borehole Name;	Sk22se483 7.32 Ind Coope Ltd Hay Tubes	E	799	6	42544 32311
	BGS Boreholes					
79	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se484 7.32 Ind Coope Ltd Hay Tubes	E	801	6	42544 32310

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Map ID	Ž.	Details	Compasa Direction	Estimated Distance From Site	Contact	NG
	BGS Boreholes					
180	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw157 6.05 Proposed Cross Town Primary Route 8h109	sw	796	6	4241 3227
	BGS Boreholes	Transfer of the Property of th				
180	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw156 6.05 Proposed Cross Town Primary Route Bh108	SW	822	6	4241 3227
	BGS Boreholes	Tripolog Gross Town Fritting Room Seriou				
181	BGS Reference: Drilled Length (m): Borehole Name;	Sk22se167 9.14 Bass Charrington Burton-On-Trent Hay	SE	800	6	4253 3229
	BGS Boreholes					
82	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se485 7.32 Ind Coope Ltd Hey Tubes	E	807	6	4254 3230
	BGS Boreholes					
162	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se486 7.32 Ind Coope Ltd Hay Tubes	E	810	6	4254 3230
	BGS Boreholes					
62	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se170 7.32 Land Between High St/River	E	813	6	4254 3230
	BGS Boreholes					
182	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se478 7.32 Ind Coope Ltd Hay Tubes	E	813	6	4254 3230
	BGS Boreholes					
82	BGS Reference: Orliled Length (m): Borehole Name:	Sk22se480 7.32 Ind Coope Ltd Hay Tubes	E	820	6	4254 3230
	BGS Boreholes					
83	BGS Reference: Drilled Length (m):	Sk22se140 6 Sustan On Toron Brown and Mith Lin Bh32	NE	825		4251 3239
	Borehole Name: BGS Boreholes	Burton On Trent Proposed Nth Lk Bh32				-
84	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw53 11 Telephone Exchange Burton On Trent	s	826		4248 3225
	BGS Boreholes					
84	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw55 10 Talanhone Eychanne Burton Co Treet	s	834		4248 3224
	BGS Boreholes	Telephone Exchange Burton On Trent		_		
84	BGS Reference: Drilled Length (m):	Sk22sw54 9.5	s	840		4248 3224
_	Borehole Name:	Telephone Exchange Burton On Trent		_		
85	BGS Boreholes BGS Reference: Drilled Length (m):	Sk22sw158 6.05	sw	628		4242 3226
	Borehole Name:	Proposed Cross Town Primary Route Bh110		-		_
	BGS Reference; Drilled Length (m): Borehole Name;	Sk22sw149 6.5 Proposed Cross Town Primary Route Bh101	w	837		4238(3230:

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	BGS Boreholes					
	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw128 10 Burton On Trent Bh133	S	841	6	42456 32248
	BGS Boreholes					
187	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw170 8.3 B-On-Trent East-West Primary Bh203	S	890	6	42456 32243
	BGS Boreholes					
188	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se166 10 67 Bass Charrington Burton-On-Trent Andressey	SE	846	6	4253- 3228
	BGS Boreholes					
189	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se36 9.14 New Technics College C Burton On Trent	SE	850	6	4250 3225
	BGS Boreholes					
001	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw159 6.05 Proposed Cross Town Primary Route Bh111	sw	852	6	4242 3225
	BGS Boreholes					
90	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw160 12.5 Proposed Cross Town Primary Route Bh112	sw	862	6	4243 3225
	BGS Boreholes					
91	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw161 11.5 Proposed Cross Town Primary Route Bh113	S	860	6	4243 3225
	BGS Boreholes					
192	BGS Reference: Drilled Length (m):		NE	863	6	4252 3239
_	Borehole Name:	Walsitch Well Burton-On-Trent				
	BGS Boreholes BGS Reference; Drilled Length (m): Borehole Name:	Sk22sw129 10 Burton On Trent Bh134	s	899	6	4245 3224
	BGS Boreholes					
	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw434 Not Supplied Renold Chains Ltd	N	902	6	4245 3242
	BGS Boreholes					
	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw408 7.62 Everards Tiger Brawery Burton On Trent	sw	907	6	4240 3226
	BGS Boreholes	and a second party at their				
96	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw130 12 Burton On Trent Bh135	S	919	6	4245 3224
	BGS Boreholes	Busines are right parties				
96	BGS Reference: Drilled Length (m):	Sk22sw131 10.19 Burton On Trent Bh136	s	936	6	4246 3223
	Borehole Name: BGS Boreholes	DURION WITH THE THE THE THE THE THE THE THE THE T				
97	BGS Reference: Drilled Length (m):	Sk22se35 10.05 New Technics College A Burton On Trent	s	920	6	4250 ⁻ 3224

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGF
	BGS Boreholes					
198	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se499 Not Supplied Bass Brewery Salts Browery Well	E	932	6	42559 32316
	BGS Boreholes					
199	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se141 6.05 Burton On Trent Proposed Nth Lk Bh33	NE	938	6	42510 32410
	BGS Boreholes	DUMITOR HORSES WATER DIOS				
200	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw37 10.36 Trent Brewery Anglesey Rd Burton O Trent	sw	955	6	4240 3225
	BGS Boreholes					
:00	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw52 10.66 Everands Tiper Brewery	sw	970	6	4241 3225
	BGS Boreholes					
201	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw371 Not Supplied Lloyds Ltd	sw	961	6	4238 3229
	BGS Boreholes					
202	BGS Reference: Drilled Length (m): Borehole Name:	Sk22se491 Not Supplied Bass Charrington Burton-On-Trent Sports Gnd No.2	NE	964	6	4255 3238
	BGS Boreholes	See Steel and See See See See See See See See See Se				
203	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw132 20.1 Burton On Trent Bh137	S	965	6	4246 3223
	BGS Boreholes					
203	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw127 11.13 Burton On Trent New Bridge Phase 1 Bh59	s	974	6	4246 3223
	BGS Boreholes					
204	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw35 160.02 Brauston Road Burton On Trent	S	976	6	4247 3223
	BGS Boreholes	7				
205	BGS Reference: Drilled Length (m): Borehole Name:	Sk22sw353 Not Supplied The Mellings	sw	992	6	42416 3225
	BGS Boreholes					
206	BGS Reference: Orilled Length (m): Borehole Name:	Sk22sw126 11.13 Burton On Trent New Bridge Phase 1 Bh58	S	994	6	4246 3223
	BGS 1:625,000 So					
	Description:	Triassic mudstones (including Keuper Marl, Dolomitic Conglomerate and Rhaetic)	•	0	7	4246 3233
	Coal Mining Affect	ed Areas				
	Description	In an area which may not be affected by coal mining	•	*	-	•
	Shallow Mining Ha	zards				
	Risk: Source:	Very Low British Geological Survey, Information Services Group	•	0	•	42467 32331
	Natural Subsidence			0		42467

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Map ID	Detaile	Compass Direction	Estimated Distance From Site	Contact	NGR
Radon Affected	Areas				
Description: Source:	Less than 1% of homes are above the Action Level National Radiological Protection Board		0	8	424670 323310
Radon Protecti	on Measures				
Type: Source:	No radon protective measures are necessary British Geological Survey, Information Services Group	-	0	7	424670 323310





Map ID		Dotalis	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Tr	ade Directory Entries				
207	Name: Location: Classification: Status: Positional Accurat	Prontaprint 77, Station Street, Burton-on-Trent, Staffordshire, DE14 18T Printers Active cy: Automatically positioned to the address	sw	223	-	42455 32312
	Contemporary Ti	rade Directory Entries				
208	Name: Location: Classification: Status: Positional Accura	Shobwood Engineering (Burton) Ltd Burton House, George Street, Burton-on-Trent, Staffordshire, DE14 1DP Engineers - General Active by: Automatically positioned to the address	SE	233	•	42478 32311
	Contemporary Tr	ade Directory Entries				
209	Name: Location: Classification: Status:	Parker & Son (Printers) Ltd 70,Guild Street,Burton-on-Trent,Staffordshire,DE14 1NE Printers Active cy:Automatically positioned to the address	SE	234	*	42485 32317
		ade Directory Entries				
210	Name: Location: Classification: Status:	J S Caravan Servicing Centre Ltd Unit 13,Station Yard,Station St,Burton On Trent,Staffordshire,DE14 1BX Caravans - Servicing & Repairs Active by:Manually positioned to the road within the address or location	W	275		42441 32322
		ade Directory Entries				
211	Name: Location: Classification: Status:	Burton Environmental 138-139, Horninglow Street, Burton-on-Trent, Staffordshire, DE14 1PG Asbestos Products & Removal Active	NE	281	*	42491 32346
_		cy. Automatically positioned to the address				_
211	Name: Location: Classification: Status:	M P L Construction Ltd Mead Works,137,Horninglow Street,Burton-on-Trent,Staffordshire,DE14 1PG Electrical Engineers Active	NE	267		42491 32347
		ny Automatically positioned to the address ade Directory Entries				
212	Name: Location: Classification: Status;	Smith Herbert Dixie Sidings, Hawkins La, Burton On Trent, Staffordshire, DE14 1PT Joinery Manufacturers Active Sy: Manually positioned to the road within the address or location	NE	321		424840 323580
	Contemporary Tr	ade Directory Entries				
212	Name: Location: Classification; Status: Positional Accuracy	Pai Motors 1, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1PT Car Dealers Active y: Automatically positioned to the address	NE	325		424836 323600
	Contemporary Tra	sde Directory Entries				
213	Name: Location: Classification: Status: Positional Accurac	Minit Solutions Sainsburys, Union Street, Burton-on-Trent, Staffordshire, DE14 1AA Photographic Processors Active y: Manually positioned to the address or location	S	334		424690 322980
		nde Directory Entries				
	Name: Location: Classification: Status:	Burton Print Factory Britannia Buildings, Station Street, Burton-on-Trent, Staffordshire, DE14 1AX Printers Active y: Automatically positioned to the address	s	342		424780 322990

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Tra	de Directory Entries				
215	Name: Location; Classification; Status; Positional Accuracy	David Whyman 175,Station Street,Burton-on-Trent,Staffordshire,DE14 1BN Glass Engravers & Decorators Inactive : Automatically positioned to the address	SE	373	•	42484 32298
	Contemporary Tra	de Directory Entries				
215	Name: Location: Classification: Status: Positional Accuracy	Heritage 35, Station Street, Burton-on-Trent, Staffordshire, DE14 1AX Dry Cleaners Active Active Automatically positioned to the address	SE	412	•	42485 32294
		de Directory Entries				
216	Name: Location: Classification: Status:	P T Motors 4, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1PT Garage Services Active : Automatically positioned to the address	NE	375	٠	42485 32364
		de Directory Entries				
217	Name: Location: Classification: Status:	Turner Precision Engineers Unit 2,Millers Lane,Derby Street,Burton-on-Trent,Staffordshire,DE14 2NS Precision Engineers Active : Automatically positioned to the address	w	396	•	424280 323390
		de Directory Entries				
217	Name: Location: Classification: Status:	Whitehead Keeton Ltd Unit 1,Millers Lane,Derby Street,Burton-on-Trent,Staffordshire,DE14 2NS Printers Active	w	413	7	424260 323370
		: Automatically positioned to the address				_
218	Name: Location: Classification: Status:	de Directory Entries Graham Gooding & Son 166, Horningkow Street, Burton-on-Trent, Staffordshire, DE14 1NG Electric Motor Sales & Service Active	E	401	•	42506(32338(
	111111111111111111111111111111111111111	: Automatically positioned to the address de Directory Entries				
219	Name: Location: Classification: Status:	Dave Hill Motors Hawkins La,Burton On Trent,Staffordshire,DE14 1PT Car Dealers - Used Active Manually positioned to the road within the address or location	NE	425		424890 323680
	Contemporary Trac	le Directory Entries				
219	Classification: Status	Incon Eccleshail Business Park, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1PT Concrete Products Active Automatically positioned to the address	NE	430		424860 323700
	Contemporary Trad					
219	Location: Classification: Status:	Merlin Developments Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1PT Engine Rebuilding & Reconditioning Active Automatically positioned to the address	NE	430		424860 323700
	Contemporary Trad					
219	Name: Location: Classification: Status:	Manor Park Garage Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1PT Garage Services Active Automatically positioned to the address	NE	430		424860 323700

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Map ID		Détails:	Compass Direction	Estimated Distance From Site	Contac	NGI
	Contemporary Tra	ade Directory Entries				
219	Name: Location: Classification: Status: Positional Accuracy	Lockwell Casting Repairs Ltd Hawkins La,Burton On Trent,Staffordshire,DE14 1PT Engineers - General Active y: Manually positioned to the road within the address or location	NĖ	436	•	42489 32369
	Contemporary Tra	nde Directory Entries				
220	Name: Location: Classification: Status: Positional Accurac	Kerry Foods Ltd 76,Mosley Street,Burton-on-Trent,Staffordshire,DE14 1DS Food Products - Manufacturers Active y Automatically positioned to the address	sw	450	•	42427 32311
	Contemporary Tra	ade Directory Entries				
221	Name: Location: Classification: Status: Positional Accurac	Harrison T C Group Hominglow Street, Burton-on-Trent, Staffordshire, DE14 1NR Car Dealers Active y; Automatically positioned to the address	E	471		42513 32339
	Contemporary Tra	ade Directory Entries				
222	Name: Location; Classification; Status; Positional Accurac	Maithouse Service Station Horninglow Street, Burton-on-Trent, Staffordshire, DE14 1NG Petrol Filling Stations Active y: Automatically positioned to the address	E	490	•	42516 32331
		ade Directory Entries				
223	Name: Location: Classification: Status:	Fads 3,Burton Place,Burton-on-Trent,Staffordshire,DE14 18U Wallpapers & Wall Coverings Active y;Automatically positioned to the address	SE	496		42502 32297
_		nde Directory Entries				
224	Name: Location: Classification: Status:	Briggs Of Burton Pic Briggs House, Trant Works, Derby Street, Burton-on-Trant, Staffordshire, DE14 2LH Brewers' Equipment & Services Active y: Automatically positioned to the address	N	506		42448 32379
		ide Directory Entries				
224	Name: Location; Classification: Status:	Hi-Tech Welding Trent Works, Derby St, Burton On Trent, Staffordshire, DE14 2LH Metal Products - Fabricated Active y: Manually positioned to the road within the address or location	И	545	·	42447 32382
	Contemporary Tra	ide Directory Entries				
225	Name; Location: Classification: Status: Positional Accurac	Cpl Distribution 19, Derby Street, Burton-on-Trent, Staffordshire, DE14 2LA Coal & Smokeless Fuel Merchants & Distributors Active y: Automatically positioned to the address	w	509		42418 32345
	Contemporary Tra	de Directory Entries				
226	Name: Location: Classification: Status: Positional Accuracy	Trancher Engineers 151s-152s,Princess Street,Burton-on-Trent,Staffordshire,DE14 2NT Engineers - General Active r:Automatically positioned to the address	NW	522	**	42422 32358
	Contemporary Tra	de Directory Entries				
226	Name: Location: Classification: Status:	Etwall Enterprise Engineering 151, Princess Street, Burton-on-Trent, Staffordshire, DE14 2NT Engineers - General Inactive (; Automatically positioned to the address	NW	529		42422 32359

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	Contemporary Tra	ade Directory Entries				
227	Name: Location: Classification: Status: Positional Accurac	J M P 2000 Ltd 5,Derby Street,Burton-on-Trent,Staffordshire,DE14 2LA Printers Active y: Automatically positioned to the address	W	522	•	42415 32339
	Contemporary Tr	ade Directory Entries				
227	Name: Location: Classification: Status: Positional Accurac	Gocolour 5,Derby Street,Burton-on-Trent,Staffordshire,DE14 2LA Printers Active by: Automatically positioned to the address	W	522	•	42415 32339
	Contemporary Tra	ade Directory Entries				
228	Name: Location; Classification: Status:	Alumasc Grundy Ltd Hawkins Lane,Burton-on-Trent,Staffordshire,DE14 1GY Engineers - General Active on Automatically positioned to the address	N	532	•	42481 32383
		ade Directory Entries				
229	Name: Location: Classification: Status:	Hartshome (East Midlands) Ltd Derby Street,Burton-on-Trent,Staffordshire,DE14 2LG Commercial Vehicle Dealers Active Or: Automatically positioned to the address	И	541	•	42459 32385
		ade Directory Entries				
229	Name: Location: Classification: Status:	Hartshorne East Midlands Ltd Derby Street,Burton-on-Trent,Staffordshire,DE14 2LG Commercial Vehicle Servicing, Repairs, Parts & Accessories Active	N	541		42459 32385
_		y Automatically positioned to the address				
230	Name: Location: Classification: Status:	ade Directory Entries Celebration Paper & Plastic Ltd Stanley Street, Burton-on-Trent, Staffordshire, DE14 1DY Printers Active Dr. Automatically positioned in the proximity of the address	sw	551		42423 32298
		ade Directory Entries				
230	Name: Location: Classification: Status:	Celebration Paper & Plastics Ltd Stanley Street,Burton-on-Trent,Staffordshire,DE14 1DY Printers Inactive Automatically positioned in the proximity of the address	sw	551	-	42423(32298(
	Contemporary Tr	ade Directory Entries				
230	Name: Location: Classification: Status:	Pugh & Sanders Ltd 1,Moseley Street,Burton-on-Trent,Staffordshire,DE14 1DW Fasteners & Fixing Devices Active y: Automatically positioned to the address	sw	567	•	42419 32301
	Contemporary Tra	ade Directory Entries				
231	Name: Location: Classification: Status: Positional Accurac	Minuteman Press 5A Horninglow St, Burton On Trent, Staffordshire, DE14 1NG Printers Active y: Manually positioned to the address or location	E	554		42522 32332
	Contemporary Tra	ade Directory Entries				
232	Name: Location: Classification: Status:	Mick Haime Curzon Business Centre, Curzon Street, Burton-on-Trent, Staffordshire, DE14 2DH Garage Services Active y: Automatically positioned to the address	w	559		42412 32322

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Map ID			Compass Direction	Distance From Site	Contact	NGF
	Contemporary Tra	ade Directory Entries				
232	Name: Location: Classification: Status:	Clearview Business Bureau Ltd 1, Curzon Street, Burton-on-Trent, Staffordshire, DE14 2DJ Printers Active y: Automatically positioned to the address	w	559	•	42412 32322
233	Name: Location: Classification: Status:	ade Directory Entries Calor Gas Ltd 79, High Street, Burton-on-Trent, Staffordshire, DE14 1LD Gas Suppliers Active y: Automatically positioned to the address	E	585	•	4252 3232
	Contemporary Tra	ade Directory Entries				
233	Name: Location: Classification: Status:	Colorscan Imaging Products Ltd 85,High Street,Burton-on-Trent,Staffordshire,DE14 1LJ Photo & Digital Imaging Bureaus Active y: Automatically positioned to the address	E	575	•	4252¢
		ade Directory Entries				
233	Name: Location: Classification: Status:	Ray Currin 86,High Street,Burton-on-Trent,Staffordshire,DE14 1LJ French Polishing Active y: Automatically positioned to the address	E	575	-	4252 3232
		ade Directory Entries				
234	Name: Location: Classification: Status:	Klick Photopoint 208,Station Street,Burton-on-Trent,Staffordshire,DE14 1AN Photographic Processors Active	SE	567	÷	4250- 3228
_		y: Automatically positioned to the address				
235	Name: Location: Classification: Status:	ade Directory Entries Swire Material Handling Unit 6,Clarke Industrial Estate,Wetmore Road,Burton-on-Trent,Staffordshire,DE14 1Q1 Fork Lift Trucks Active	E	567	-	4252 3234
_		y. Automatically positioned to the address				_
235	Name: Location: Classification: Status:	ade Directory Entries Atlas Fork Lifts Unit 6, Clarke Industrial Estate, Wetmore Road, Burton-on-Trent, Staffordshire, DE14 1QT Fork Lift Trucks Active y: Automatically positioned to the address	E	567	•	4252 3234
	Contemporary Tra	ade Directory Entries				
236	Name: Location; Classification: Status: Positional Accurac	Bass Browers Union Office,137 High St,Burton On Trent,Staffordshire,DE14 1JZ Browers Active y: Manually positioned to the address or location	SE	572		4251: 3230
		ide Directory Entries				
237	Name: Location: Classification: Status:	Paint Technik 175,Hawkins Lane,Burton-on-Trent,Staffordshire,DE14 1PX Car Body Repairs Active y: Automatically positioned to the address	NE	574	-	42496 32386
		nde Directory Entries				
238	Name: Location: Classification: Status:	Waterloo Motors 7-8, Waterloo Street, Burton-on-Trent, Staffordshire, DE14 2NA Garage Services Active y: Automatically positioned to the address	W	580		42409 32341

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Map ID		Details	Compass Direction	Distance From Site	Contact	NGR
	Contemporary Tra	ade Directory Entries				
239	Name: Location: Classification: Status: Positional Accurac	Burton Beer Mats Ltd 87,Moor Street,Burton-on-Trent,Staffordshire,DE14 3TA Printers Active y: Automatically positioned to the address	sw	581		42424 32293
		ade Directory Entries				
240	Name: Location: Classification: Status:	Ace Super Dry 46, Waterloo Street, Burton-on-Trent, Staffordshire, DE14 2NB Carpet, Curtain & Upholstery Cleaners Active y: Automatically positioned to the address	NW	582	,	42416 32360
	Contemporary Tra	ade Directory Entries				
241	Name: Location: Classification: Status:	Byrkley Machining Little Burton West,Burton-on-Trent,Staffordshire,DE14 1PP Engineers - General Active N: Automatically positioned in the proximity of the address	N	588		42469 32390
		ade Directory Entries				
242	Name: Location: Classification; Status:	Euro Engine Centre 13-15 Albert St, Burton On Trent, Staffordshire, DE14 2NL Engine Rebuilding & Reconditioning Active No. Manually positioned to the road within the address or location	NW	589	•	42425 32372
_		ade Directory Entries				
243	Name: Location: Classification: Status:	Victoria Garage 139,Victoria Street,Burton-on-Trent,Staffordshire,DE14 2LP Garage Services Active	NW	591		42434 32381
-	100	y: Automatically positioned to the address	-			
243	Name: Location: Classification: Status:	ade Directory Entries Kettering Motors 137b, Victoria Street, Burton-on-Trent, Staffordshire, DE14 2LR Garage Services Active cy: Automatically positioned to the address	NW	603	-	42436 32383
		ade Directory Entries				
244	Name: Location: Classification: Status:	Engineering & Welding Supplies Ltd 24-26, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1PT Welding Equipment - Sales & Service Active Active Automatically positioned to the address	NE	598	100	42494 32385
Т	Contemporary Tr	ade Directory Entries				
245	Name: Location: Classification: Status:	Keepmere Engineering Ltd Uxbridge St.Burton On Trent, Staffordshire, DE14 3JS Engineers - General Inactive y: Manually positioned to the road within the address or location	S	603	.0,	42447 32275
	Contemporary Tr	ade Directory Entries				
245	Location: Classification: Status:	Exclusive Classic Cars Ltd 13,Uxbridge Street,Burton-on-Trent,Staffordshire,DE14 3JR Classic Car Specialists Active cy: Automatically positioned to the address	\$	621		42447 32273
		ade Directory Entries				
246	Name: Location: Classification: Status:	Fireplace Gallery 191,Horninglow Street,Burton-on-Trent,Staffordshire,DE14 1NG Fireplaces & Mantelplaces Active ty: Automatically positioned to the address	Ε	617	1.51	42528 32335

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	Contemporary Tra	de Directory Entries				
247	Name: Location: Classification: Status: Positional Accuracy	T L Darby Ltd New Street Garage, New Street, Burton-on-Trent, Staffordshire, DE14 3QW Car Dealers Active 7. Automatically positioned to the address	s	622	•	42473 32270
	Contemporary Tra	de Directory Entries				
248	Name: Location: Classification: Status:	Inchcape Moor Street,Burton-on-Trent,Staffordshire,DE14 3SY Car Dealers Active Automatically positioned to the address	sw	622	-	42425 32285
	Contemporary Tra	de Directory Entries				
749	Name: Location: Classification: Status:	A M S Autos 119,Derby Street,Burton-on-Trent,Staffordshire,DE14 2LF Car Dealers Active - Automatically positioned to the address	N	624	٠	42452 32392
_		de Directory Entries				
250	Name: Location: Classification: Status:	Croboride Engineering Ltd Little Burton West,Burton-on-Trent,Staffordshire,DE14 1PP Engineers - General Active - Automatically positioned to the address	N	625	*	42462 32394
		de Directory Entries				
250	Name: Location: Classification: Status:	Burton Door Stripping 147,Derby Street,Burton-on-Trent,Staffordshire,DE14 2LG Paint & Varnish Stripping Active Automatically positioned to the address	N	646		42459 32395
		de Directory Entries				
250	Name: Location: Classification; Status:	Alan Winson Antiques 147, Derby Street, Burton-on-Trent, Staffordshire, DE14 2LG Paint & Varnish Stripping Active : Automatically positioned to the address	N	646		42459 32395
		de Directory Entries				
250	Name: Location: Classification: Status:	B C Auto Sales 143,Derby Street,Burton-on-Trent,Staffordshire,DE14 2LG Car Dealers - Used Active Active Automatically positioned to the address	N	667	•	42461 32398
	Contemporary Tra	de Directory Entries				
250	Name: Location: Classification: Status: Positional Accuracy	U B Plastics Ltd Little Burton West, Burton On Trent, Staffordshire, DE14 1PP Plastics - Injection Moulding Active : Manually positioned to the road within the address or location	N	674		42463 32399
	Contemporary Tra-	de Directory Entries				
251	Location: Classification: Status:	Park Street Auto Repairs Unit 1,Park Street,Burton-on-Trent,Staffordshire,DE14 3SE Garage Services Active :Automatically positioned to the address	s	626	•	42451 32271
	Contemporary Train	de Directory Entries				
251	Name: Location: Classification: Status:	Rainbow International Unit 3,Park Street,Burton-on-Trent,Staffordshire,DE14 3SE Carpet, Curtain & Upholstery Cleaners Active Automatically positioned to the address	s	628		42452 32270

^{*} Landmark Information Group Service

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Map ID		Détails	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Tra	de Directory Entries				
251	Name: Location: Classification: Status: Positional Accuracy	Rainbow International Unit 3,Park Street,Burton-on-Trent,Staffordshire,DE14 3SE Carpet, Curtain & Upholstery Cleaners Inactive y: Automatically positioned to the address	s	628		42452 32270
	Contemporary Tra	ide Directory Entries				
252	Name: Location: Classification: Status: Positional Accuracy	Telecom Europe Ltd 3 The Maltings, Wetmore Rd, Burton On Trent, Staffordshkra, DE14 1SE Telecommunications Equipment & Systems Active y: Automatically positioned to the address	NE	628	•	42521 32363
	Contemporary Tra	de Directory Entries				
252	Name: Location: Classification: Status: Positional Accurac	Central Telecom (Uk) Ltd 3,The Maltings,Burton-on-Trent,Staffordshire,DE14 1SF Telecommunications Equipment & Systems Active y: Automatically positioned to the address	NE	631	•	42521 32364
	Contemporary Tra	ide Directory Entries				
252	Name: Location: Classification: Status:	A L (Uk) Ltd 3,The Meltings,Wetmore Road,Burton-on-Trent,Staffordshire,DE14 1SE Road Haulage Services Active	NE	631	٠	42521 32364
_		y: Manually positioned to the address or location				
253	Name: Location: Classification: Status:	classic Suds Finance House, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1PT Car Dealers - Used Active Authorized A	NE	632	-	42502 32384
		ide Directory Entries				
254	Name: Location: Classification: Status:	Stop 'N' Steer 5 Watmore Rd,Burton On Trent,Staffordshire,DE14 1SN Garage Services Active y: Manually positioned to the address or location	E	633	٠	42529 32341
255	Name: Location: Classification: Status:	ide Directory Entries First Line Logistics Ltd Unit 2A,Clarke Industrial Estate,Wetmore Road,Burton-on-Trent,Staffordshire,DE14 1QT Road Haulage Services Active Active	E	638	•	42528 32351
	Contemporary Tra	de Directory Entries				
256	Name: Location: Classification; Status:	Fireworks World 89,High Street,Burton-on-Trent,Staffordshire,DE14 1LJ Firework Stockists Active c.Automatically positioned to the address	E	641	•	42531(32328(
	Contemporary Tra	de Directory Entries				
256	Name: Location: Classification: Status:	Burton Bridge Brewery 24,Bridge Street,Burton-on-Trent,Staffordshire,DE14 1SY Brewers Active Automatically positioned to the address	E	677		42534 32331
	Contemporary Tra	de Directory Entries				
257	Name: Location: Classification: Status:	Skyline Air Conditioning Curzon St,Burton On Trent,Staffordshire,DE14 2DH Air Conditioning & Refrigeration Contractors Active Manually positioned to the road within the address or location	W	646		42403 32320

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGF
	Contemporary Tra	de Directory Entries				
257	Name: Location: Classification: Status: Positional Accuracy	Lancaster Motors Curzon Street Business Centre, Burton On Trent, Staffordshire, DE14 2DH Garage Services Active r: Manually positioned within the geographical locality	W	647		42403 32324
	Contemporary Tra	de Directory Entries				
257	Name: Location: Classification: Status:	Jmb (Industrial & Domestic) Services Ltd Curzon House,Curzon St,Burton On Trent,Staffordshire,DE14 2DH Cleaning Services - Commercial Inactive Manually positioned to the road within the address or location	w	653		42403 32320
	Contemporary Tra	de Directory Entries				
257	Name: Location: Classification: Status:	Barwood Products Ltd Central Works,Curzon Street,Burton-on-Trent,Staffordshire,DE14 2DH Disability Equipment - Manufacturers & Suppliers Active Automatically positioned to the address	w	682	-	42399 32320
		de Directory Entries				
257	Name: Location: Classification: Status:	Daytona Health & Sports Central Works, Curzon Street, Burton-on-Trent, Staffordshire, DE14 2DH Sports Equipment Manufacturers & Distributors Inactive Automatically positioned to the address	W	682		42399 32320
		de Directory Entries	THE PARTY OF THE P			
258	Name: Location: Classification: Status:	Burrows Recovery Wetmore Road,Burton-on-Trent,Staffordshire,DE14 1SN Car Breakdown & Recovery Services Active	NE	662		42527 32359
_		: Automatically positioned to the address			_	
259	Name: Location: Classification: Status:	de Directory Entries Dalfuku (Europe) I.td Unit 3,Moor Street,Burton-on-Trent,Staffordshire,DE14 3SU Materials Handling Equipment Active Automatically positioned to the address	sw	684		42409 32299
	Contemporary Tra	de Directory Entries				
260	Name: Location; Classification; Status: Positional Accuracy	Kirkvale Ltd 18, Orchard Street, Burton-on-Trent, Staffordshira, DE14 3SJ Commercial Vehicle Servicing, Repairs, Parts & Accessories Active Automatically positioned to the address	s	564	-	42460 32265
	Contemporary Tra	de Directory Entries				
261	Name: Location: Classification: Status: Positional Accuracy	Hamer Toyota Moor Street,Burton-on-Trent,Staffordshire,DE14 3SG Car Dealers Active : Automatically positioned to the address	sw	669	•	42417 32287
		de Directory Entries				
:61	Name: Location: Classification: Status:	Inch Cape Toyota Moor Street,Burton-on-Trent,Staffordshire,DE14 3SG Car Body Repairs Active Automatically positioned to the address	sw	669	•	42417 32287
		de Directory Entries				
62	Name: Location: Classification: Status:	A W Chandler 39,Park Street,Burton-on-Trent,Staffordshire,DE14 3SE Garage Services Active	s	673	•	42449 32266

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Tra	de Directory Entries				
262	Name: Location; Classification: Status: Positional Accuracy	C T S Ltd A,41,Ordish Street,Burton-on-Trent,Staffordshire,DE14 3SA Cleaning Services - Commercial Inactive y: Automatically positioned to the address	S	691	·	42451 32264
	Contemporary Tra	de Directory Entries				
263	Name: Location; Classification: Status: Positional Accuracy	Cherrington Cleaners Ltd 9-10,Market Place,Burton-on-Trent,Staffordshire,DE14 1HA Dry Cleaners Active y: Automatically positioned to the address	SÉ	680	•	42504 32274
		ide Directory Entries				
264	Name: Location: Classification: Status:	Waterloo Launderette 212,Waterloo Street,Burton-on-Trent,Staffordshire,DE14 2NQ Laundries & Launderettes Active y: Automatically positioned to the address	NW	681	•	42414 32374
		de Directory Entries				
265	Name: Location: Classification: Status:	Secret & Marriott Ltd Princess Street, Burton-on-Trent, Staffordshire, DE14 2NR Engineers - General Active y: Automatically positioned to the address	NW	698	-	42424 32386
		ide Directory Entries				
266	Name: Location; Classification: Status:	Doug Tolson Unit 1,Rolleston Trading Estate,Hawkins La,Burton On Trent,Staffordshire,DE14 1PT Steam Cleaning Services Active	NE	704	٠	42504 32391
_		y: Manually positioned to the road within the address or location				
266	Name: Location: Classification: Status:	Threadwell (Burton) Ltd Augusta House, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1PT Nuts, Bolts & Fixings Active	NE	710		42502 32393
		y: Automatically positioned to the address				-
268	Name: Location; Classification: Status:	Register Motors Unit 1, Menor Industrial Estate, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QX Garage Services Active y: Automatically positioned to the address	NE	723	•	42504 32393
	Contemporary Tra	de Directory Entries				
266	Name: Location: Classification; Status; Positional Accurac	C B Burton Ltd Unit 2 Hawkins La,Burton On Trent,Staffordshire,DE14 1PT Engine Rebuilding & Reconditioning Active v: Manually positioned to the address or location	NE	723	•	42503 32394
	Contemporary Tra	de Directory Entries				
266	Name: Location: Classification: Status:	A & A Manufacturing Unit 4, Manor Industrial Estate, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QX Manufacturers Active y: Automatically positioned to the address	NE	727	•	42502 32395
		de Directory Entries				
266	Name: Location: Classification: Status:	Simons Bodyshop Unit 5,Manor Industrial Estate,Hawkins Lane,Burton-on-Trent,Staffordshire,DE14 1QX Car Body Repairs Active	NE	728		42501 32396

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Map ID		Detalls	Compass Direction	Estimated Distance From Site	Contact	NGI
	Contemporary Tra	de Directory Entries				
267	Name: Location: Classification: Status:	Motormint Ltd 87a,Victoria Street,Burton-on-Trent,Staffordshire,DE14 2LS Car Dealers - Used Active r:Automatically positioned to the address	N	706	•	42440 32400
		de Directory Entries				
268	Name: Location: Classification: Status:	Alpac Alloys Ltd Dale Street,Burton-on-Trent,Staffordshire,DE14 3TE Foundries Active Automatically positioned to the address	sw	708		4242 3227
	Contemporary Tra	de Directory Entries				
?68	Name: Location: Classification: Status: Positional Accuracy	Dents Auto Electrical Ltd 30,Dale Street,Burton-on-Trent,Staffordshire,DE14 3TF Garage Services Active v: Automatically positioned to the address	sw	722	-	4242 3227
	Contemporary Tra	de Directory Entries				
268	Name: Location: Classification: Status:	Cottage Delight Ltd Paget Street,Burton-on-Trent,Staffordshire,DE14 3TQ Confectionery Manufacturers Active y: Automatically positioned to the address	sw	734	•	42436 3226
		de Directory Entries				
268	Name: Location: Classification: Status:	Pandelco Ltd Canal Street,Burton-on-Trent,Staffordshire,DE14 3TB Electrical Engineers Active	sw	769	-	4242 3226
-		y: Automatically positioned to the address			_	
268	Name: Location: Classification: Status:	Ide Directory Entries Pirtek Canal Street,Burton-on-Trent,Staffordshire,DE14 3TB Hydraulic Equipment & Accessories - Sales & Service Active Active Automatically positioned to the address	sw	769		4242 3226
		de Directory Entries				
269	Name: Location: Classification: Status:	Phoenix Engineering Ltd Hawkins Lane,Burton-on-Trent,Staffordshire,DE14 1PT Auminium Fabricators Active	NE	712		42496 32396
		r. Automatically positioned to the address				_
270	Name: Location: Classification:	Arriva Midlands North Ltd Arriva Midlands North Ltd The Bus & Coach Shop,39 The Octagon,New St,Burton On Trent,Staffordshire,DE14 3TN Bus & Coach Operators & Stations	S	722		4247 3226
	Status: Positional Accuracy	Active r: Manually positioned to the address or location				
		de Directory Entries				
270	Name: Location: Classification: Status:	Supapet Unit 33A,Octagon Centre,Orchard Street,Burton-on-Trent,Staffordshire,DE14 3TN Pet Foods & Animal Feeds Active 7: Automatically positioned to the address	s	725		4247- 3225
		de Directory Entries				
270	Name: Location: Classification: Status:	Shopmobility Octagon Centre, Orchard Street, Burton-on-Trent, Staffordshire, DE14 3TN Disability Equipment - Manufacturers & Suppliers Active	s	750		4247 3225

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Map ID		Detaile	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Tr	ade Directory Entries				
271	Name: Location: Classification: Status: Positional Accurac	Envirotech (Cleansing Services) Ltd 58-60, Wetmore Road, Burton-on-Trent, Staffordshire, DE14 1SN Sewage Disposal - Equipment & Service Active y: Automatically positioned to the address	NE	733		425290 323700
		ade Directory Entries				
271	Name: Location: Classification: Status:	Envirotech (Cleansing Services) Ltd 58-60,Wetmore Road,Burton-on-Trent,Staffordshire,DE14 1SN Sewage Disposal - Equipment & Service Active y: Automatically positioned to the address	NE	733	•	42529 32370
	Contemporary Tra	ade Directory Entries				
271	Name: Location: Classification: Status:	Alans Test Centre Unit 1/2,H C M Industrial Estate,Wetmore Road,Burton-on-Trent,Staffordshire,DE14 1QR Mot Testing Centres Active y: Automatically positioned to the address	NE	762	٠	42532 32371
_		ade Directory Entries				
271	Name: Location:	A B S (Burton) Ltd Unit 1/2,H C M Industrial Estate,Wetmore Road,Burton-on-Trent,Staffordshire,DE14 1QR	NE	762	3.0	42532 32371
	Classification: Status: Positional Accurac	Commercial Vehicle Component Manufacturers Active y: Automatically positioned to the address				
	Contemporary Tr	ade Directory Entries				
271	Name: Location: Classification: Status: Positional Accuracy	Leyland Paint Co Unit 4,H C M Industrial Estate, Wetmore Road, Burton-on-Trent, Staffordshire, DE14 1QR Painting & Decorating Supplies Active Ty: Automatically positioned to the address	NE.	786		42535 32371
$\overline{}$		ade Directory Entries				
271	Name: Location:	Johnstone'S Leyland Unit 4,H C M Industrial Estate, Wetmore Road, Burton-on-Trent, Staffordshire, DE14 1QR Painting & Decorating Supplies	NE	786	•	42535 32371
	Classification: Status:	Active				
_		y: Automatically positioned to the address				
	Contemporary Tr	ade Directory Entries	***	704		42203
272	Name: Location: Classification: Status: Positional Accurac	D.J. Clarke Shobnall Road, Burton-on-Trent, Staffordshire, DE 14 2AU Garage Services Active cy: Automatically positioned to the address	w	734		42397 32310
	Contemporary Tr	ade Directory Entries				
272	Name: Location: Classification: Status:	Integra Automation Systems Shobnali Road,Burton-on-Trent,Staffordshire,DE14 2AU Automation Systems & Equipment Active y: Automatically positioned to the address	w	734		42397 32310
		ade Directory Entries				
272	Name: Location: Classification: Status:	Industrial Cranes & Parts Shobnall Road,Burton-on-Trent,Staffordshire,DE14 2AU Lifting Equipment Active Active Automatically positioned to the address	w	734	*	42397 32310

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary To	rade Directory Entries			-	
272	Name: Location: Classification: Status: Positional Accura	Cleanse It Shobnall Road,Burton-on-Trent,Staffordshire,DE14 2AU Cleaning Services - Commercial Active cy:Automatically positioned to the address	w	734	-	42397 32310
	Contemporary To	rade Directory Entries				
272	Location: Classification: Status:	Burton Centre Office 53 Ground Floor, Irnex Business Centre, Shobnati Road, Burton-on- Trent, Staffordshire, DE14 2AU Brake & Clutch Service Centres Active cy: Automatically positioned to the address	w	734	-	42397 32310
		rade Directory Entries				
?72	Name: Location: Classification: Status:	Burton Clutch & Service Centre Office 53 Ground Floor, Imex Business Centre, Shobhall Road, Burton-on- Trent, Staffordshire, DE14 2AU Garage Services Active cy: Automatically positioned to the address	W	734		42397 32310
		rade Directory Entries				
272	Name: Location: Classification:	Stirchley Technical Services Ltd Office 47 Ground Floor,Imex Business Centre,Shobnali Road,Burton-on- Trent,Staffordshire,DE14 2AU Engineers - General	'W	734	•	42397 32310
	Status:	Active cy: Automatically positioned to the address				
		rade Directory Entries				
272	Name: Location: Classification: Status:	Andrea Merzario Ltd Suite 10,Imex Business Park,Shobnall Rd,Burton On Trent,Staffordshire,DE14 2AU Freight Forwarders Active cy: Manually positioned to the address or location	w	734	-	42397 32310
		rade Directory Entries				
272	Name: Location: Classification: Status: Positional Accura-	Uk Coldrooms Ltd Suite 41 Imex Businss Park, Shobnall Rd, Burton On Trent, Staffordshire, DE14 2AU Refrigeration Equipment - Commercial Active cy: Manually positioned to the address or location	w	734		42397 32310
		ade Directory Entries				
272	Name: Location: Classification: Status: Positional Accurat	Damp Detectors Ltd Unit 29 imex Business Park, Shobnall Rd, Burton On Trent, Staffordshire, DE14 2AU Damp & Dry Rot Control Inactive by: Manually positioned to the address or location	W	734	-	42397 32310
	Contemporary Tr	ade Directory Entries				
272	Name: Location: Classification: Status: Positional Accurat	C F H Tanker Services Ltd Office 3 Imex Business Park, Shobnatl Rd, Burton On Trent, Staffordshire, DE14 2AU Waste Disposal Services Active cy: Manually positioned to the address or location	w	734		42397 32310
	Contemporary Tr	ade Directory Entries				
272	Name: Location: Classification: Status:	Total Facilities Management (Midlands) Ltd Office 37-38 Ground Floor, Imex Business Centre, Shobnatt Road, Burton-on- Trent, Staffordshire, DE14 2AU Cleaning Services - Commercial Active	w	734		42397 32310

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Map 1D		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Tra	de Directory Entries				
273	Name: Location: Classification: Status: Positional Accuracy	C J Jones Market Place, Burton-on-Trent, Staffordshire, DE14 1HE Vacuum Cleaners - Sales & Service Active 7: Automatically positioned to the address	SE	737		42506 32269
	Contemporary Tra	de Directory Entries				
274	Name: Location: Classification: Status: Positional Accuracy	Elliott Vehicle Services Ltd The Old Mattings, Dallow Street, Burton-on-Trent, Staffordshire, DE14 2PF Garage Services Active r. Automatically positioned to the address	N	743		42459 32405
		de Directory Entries				
275	Name: Location: Classification: Status:	Danelock Engineering Ltd Paget Street,Burton-on-Trent,Staffordshire,DE14 3TQ Engineers - General Active ::Automatically positioned to the address	SW	762		42434 32263
		de Directory Entries				
275	Name: Location: Classification: Status:	Booth Transformers Ltd Paget Street,Burton-on-Trent,Staffordshire,DE14 3TQ Electrical Goods - Manufacturers & Wholesalers Active Active Adviouslibution of the address	SW	762	-	42434 32263
		de Directory Entries				
275	Name: Location: Classification: Status:	Burton Hydraulics & Pneumatics Paget Street,Burton-on-Trent,Staffordshire,DE14 3TQ Pneumatic Systems & Equipment Active	sw	762	*	42434 32263
_		de Directory Entries		_		
276	Name: Location: Classification: Status:	Trade N Save Derby Road,Burton-on-Trent,Staffordshire,DE14 1RN Car Dealers Active The Automatically positioned to the address	N	772	-	42466 32409
	Contemporary Tra	de Directory Entries				
276	Name: Location: Classification: Status: Positional Accuracy	J B Motors 2,Derby Road,Burton-on-Trent,Staffordshire,DE14 1RU Garage Services Active Automatically positioned to the address	N	797	•	42468 32411
	Contemporary Tra	de Directory Entries				
276	Name: Location: Classification: Status: Positional Accuracy	K B M Auto Engineers 312,Goodman Street,Burton-on-Trent,Staffordshire,DE14 2RQ Garage Services Active : Automatically positioned to the address	N	815	-	42463 32413
		de Directory Entries				
276	Name: Location: Classification: Status: Positional Accuracy	Nigel Hall Cars 312,Goodman Street,Burton-on-Trent,Staffordshire,DE14 2RQ Car Dealers - Used Active : Automatically positioned to the address	N	815	-	42463 32413
		de Directory Entries				
277	Name: Location: Classification: Status:	Beck & Pollitzer Engineering Ltd Welmore Road,Burton-on-Trent,Staffordshire,DE14 1SN Engineering Services Active : Automatically positioned in the proximity of the address	NE	775		42529 32377

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	Contemporary Tra	de Directory Entries			
277	Name: Location: Classification: Status: Positional Accuracy	B P S Projects Ltd Wetmore Road,Burton-on-Trent,Staffordshire,DE14 1SN Mechanical Engineers Active Active Active Automatically positioned to the address	NE	785	- 42529 32379
		de Directory Entries			
277	Name: Location: Classification: Status:	Burton Sheet Metal Ltd Wetmore Rd, Burton On Trent, Staffordshire, DE14 1SN Sheet Metal Work Active r: Manually positioned to the road within the address or location	WE	789	- 42531 32377
	Contemporary Tra	de Directory Entries			
278	Name: Location: Classification: Status: Positional Accuracy	Lacey'S Freight Services Eccleshall Business Park,Hawkins Lane,Burton-on-Trent,Staffordshire,DE14 1PT Road Haulage Services Active Active Active Active Active	NE	778	- 42510 32396
		ide Directory Entries			
279	Name: Location: Classification: Status:	Depreux (Uk) Ltd Glensyl Way, Burton On Trent, Staffordshire, DE14 1LX Conveyors & Conveyor Belts Active y: Manually positioned within the geographical locality	NE	791	- 42518 32392
_					
260	Name: Location: Classification: Status:	sins Metals (Uk) Ltd Paget Street, Burton-on-Trent, Staffordshire, DE14 3TQ Scrap Metal Merchants Active y: Automatically positioned to the address	sw	793	- 42426 3226
_					
281	Name: Location: Classification: Status:	Ide Directory Entries Total Service Station Bonded Warehouse, Derby Road, Burton-on-Trent, Staffordshire, DE14 1RY Petrol Filling Stations Active y: Automatically positioned to the address	N	795	- 42476 32410
		ide Directory Entries			
281	Name: Location: Classification: Status:	Blackshaws Peugeot Ltd Derby Road, Stretton, Burton-on-Trent, Staffordshire, DE13 0BJ Car Dealers Active y: Automatically positioned to the address	N	812	- 42473 32412
-17-		ide Directory Entries			
281	Name: Location: Classification: Status:	Pentagon Burton Derby Road,Stretton,Burton-on-Trent,Staffordshire,DE13 0BJ Car Body Repairs Active y: Automatically positioned to the address	N	812	- 42473 32412
	Contemporary Tra	ide Directory Entries			
261	Name: Location: Classification: Status:	Pentagon Vauxhall Derby Road,Stretton,Burton-on-Trent,Staffordshire,DE13 0BJ Car Dealers Active y: Automatically positioned to the address	N	812	- 42473 32412
	Contemporary Tra	ide Directory Entries			
282	Name: Location: Classification: Status:	Microdat-Tusker Elson House, Crown Industrial Estate, Anglesey Road, Burton-on- Trent, Staffordshire, DE14 3NX Materials Handling Equipment Active	sw	802	- 42405 32280

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Map 1D		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Tra	de Directory Entries				
283	Name: Location:	Mairex Fabrications Ltd Unit 6,H C M Industrial Estate, Wetmore Road, Burlon-on-Trent, Staffordshire, DE14 1QR	NE	810	•	425370 323720
	Classification: Status: Positional Accuracy	Sheet Metal Work Active Automatically positioned to the address				
	Contemporary Tra	de Directory Entries				
283	Name: Location: Classification: Status: Positional Accuracy	Loriec & Co Ltd Unit 9/10,Trent Industrial Estate,Wetmore Road,Burton-on-Trent,Staffordshire,DE14 1QY Metal Finishing Services Inactive Manually positioned to the address or location	NE	818		425370 323740
		de Directory Entries				
284	Name: Location: Classification: Status:	Contracool 167,Waterloo Street,Burton-on-Trent,Staffordshire,DE14 2NG Domestic Appliances - Servicing, Repairs & Parts Active :Automatically positioned to the address	NW	814	-	424150 323940
	Contemporary Tra	de Directory Entries				
284	Name: Location: Classification: Status: Positional Accuracy	Contracool 167, Waterloo Street, Burton-on-Trent, Staffordshire, DE14 2NG Domestic Appliances - Servicing, Repairs & Parts Active Automatically positioned to the address	NW	814		424150 323940
		de Directory Entries				
284	Name: Location: Classification: Status:	Kenwell Auto Repairs 68,Edward Street,Burton-on-Trent,Staffordshire,DE14 2JD Garage Services Inactive ::Automatically positioned to the address	NW	831	51	424120 323940
	Contemporary Tra	de Directory Entries				
284	Name: Location: Classification: Status:	Burton Domestics 163, Waterloo Street, Burton-on-Trent, Staffordshire, DE14 2NG Washing Machines - Servicing & Repairs Active Automatically positioned to the address	NW	633	*	424150 323970
	Contemporary Tra	de Directory Entries				
285	Name: Location: Classification: Status: Positional Accuracy	Marston Thompson & Evershed Ltd Shobnall Rd, Burton On Trent, Staffordshire, DE14 2BW Brewers Active : Manually positioned to the road within the address or location	sw	820	*	423920 3229 8 0
		de Directory Entries				
286	Name: Location; Classification: Status;	Interbelt Ltd Glensyl Way,Burton-on-Trent,Staffordshire,DE14 1LX Conveyors & Conveyor Belts Active	NE	823	•	425 190 323950
		:Automatically positioned to the address				_
	Contemporary Tra	de Directory Entries	1.5	1222		
286	Name: Location: Classification:	Norclean Services Unit 20/21, Windsor Industrial Estate, Hawkins Lane, Burton-on- Trent, Staffordshire, DE14 1QF Cleaning Services - Commercial	NE	829		425170 323970
	Status:	Active : Automatically positioned to the address				

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact NG
	Contemporary Tra	de Directory Entries			
286	Name: Location:	F G Castledine Unit 12, Windsor Industrial Estate, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QF	NE	858	- 42521 32398
	Classification: Status:	Garage Services			
		r. Automatically positioned to the address			
	Contemporary Tra	de Directory Entries			
286	Name: Location:	I & T Project & Installations Ltd Unit 18, Windsor Industrial Estate, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14	NE	867	- 42519 32401
	Classification: Status:	1QF Engineers - General Active			
		:Automatically positioned to the address		_	
1	•	de Directory Entries			
286	Name: Location:	Abbott Unit 16, Windsor Industrial Estate, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QF	NE	867	- 42519 32401
	Classification: Status: Positional Accuracy	Joinery Manufacturers Inactive Automatically positioned to the address			
	Contemporary Tra	de Directory Entries			
286	Name: Location: Classification:	Sp Metal Polishing Windsor Indust Est, Hawkins La, Burton On Trent, Staffordshire, DE14 1QF Metal Finishing Services	NE	869	- 42518 32402
	Status: Positional Accuracy	Active Manually positioned to the address or location			
		de Directory Entries			
286	Name: Location: Classification: Status:	Hmc Windsor Indust Est, Hawkins La, Burton On Trent, Staffordshire, DE14 1QF Garage Services Active	NE	869	- 42518 32402
		Manually positioned to the address or location			
287	Name: Location: Classification: Status:	de Directory Entries Shipley Joinery Wetmore Rd,Burton On Trent,Staffordshire,DE14 1SN Joinery Manufacturers Active	NE	828	- 42530 32385
		: Manually positioned to the address or location			
	Name: Location: Classification: Status:	de Directory Entries M Pritchard Commercial Engineering Ltd Unit 5 - 6 A P S Industrial Park, Wetmore Rd, Burton On Trent, Staffordshire, DE14 1SH Commercial Vehicle Servicing, Repairs, Parts & Accessories Active	NE	849	- 42534 32384
		: Manually positioned to the road within the address or location			
	Contemporary Trac	de Directory Entries			
	Name: Location; Classification:	Mid Anglia Engineering Ltd Wetmore Road, Burton-on-Trent, Staffordshire, DE14 1SN Engineers - General	NE	860	- 42532 32387
	Status:	Active			
		Automatically positioned to the address	-		
		de Directory Entries			
	Name: Location: Classification: Status:	Sutton Park Motor Co Ltd 37,Ltchfield Street,Burton-on-Trent,Staffordshire,DE14 3RH Car Dealers Active	S	829	- 42473(32249)
	Positional Accuracy:	Automatically positioned to the address			

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	Contemporary Tra	de Directory Entries				
289	Name: Location: Classification; Status: Positional Accuracy	A G S (Coachbuilders) Ltd Hawkins Lane,Burton-on-Trent,Staffordshire,DE14 1PU Car Body Repairs Active Automatically positioned to the address	NE	831	•	42505 32405
Т	Contemporary Tra	de Directory Entries				
289	Name: Location: Classification: Status: Positional Accuracy	Techniquip Service Centre Hawkins Lane,Burton-on-Trent,Staffordshire,DE14 1PU Garage Equipment Active Automatically positioned to the address	NE	831	-	42505 32405
	Contemporary Tra	de Directory Entries				
290	Name: Location: Classification: Status:	Classic Performance Ltd Unit 7,Trent Industrial Estate, Welmore Road, Burton-on-Trent, Staffordshire, DE14 1QY Classic Car Specialists Active Active Automatically positioned in the proximity of the address	NE	633	•	42536 32377
		de Directory Entries				
290	Name: Location: Classification: Status:	Direct Trade Frames Ltd Unit 6,Trent Industrial Estate,Wetmore Road,Burton-on-Trent,Staffordshire,DE14 1QY Window Frame Manufacturers Active Automatically positioned in the proximity of the address	NE	833	-	42536 32377
		de Directory Entries	-			
290	Name: Location: Classification: Status:	J S K Aluminium Products Ltd Unit 5,Trent Industrial Estate,Wetmore Road,Burton-on-Trent,Staffordshire,DE14 1QY Aluminium Fabricators Active f: Automatically positioned to the address	NE	872		42539 32380
		de Directory Entries				
291	Name: Location: Classification; Status:	Sparkies Edward Street, Burton-on-Trent, Staffordshire, DE14 2JD Car Body Repairs Active r: Automatically positioned in the proximity of the address	NW	836		42409 32392
		de Directory Entries				
292	Name: Location: Classification: Status:	The Fireplace Centre 2,Goodman Street,Burton-on-Trent,Staffordshire,DE14 2RB Fireplaces & Mantelpleces Active Automatically positioned to the address	N	837	•	42460 32415
		de Directory Entries				
293	Name: Location: Classification: Status:	Engineering Accessories (Burton On Trent) Ltd Walpole House,50,Lichfield Street,Burton-on-Trent,Staffordshire,DE14 3RH Cleaning Materials & Equipment Active Automatically positioned to the address	s	847	•	42478 32247
		de Directory Entries				
294	Name: Location: Classification: Status:	Pct Shobnall Rd,Burton On Trent,Staffordshire,DE14 2AU Pest & Vermin Control Active : Manually positioned to the road within the address or location	w	859		42386 32303
		de Directory Entries				
295	Name: Location: Classification:	Burton Service Centre Unit 1, Sidings Industrial Estate, Wetmore Road, Burton-on-Trent, Staffordshire, DE14 1SB Domestic Appliances - Servicing, Repairs & Parts	NE	862	•	42530 32390
	Status: Positional Accuracy	Active Automatically positioned to the address				

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Ti	rade Directory Entries				
296	Name: Location; Classification: Status: Positional Accura	Volkscare Garage Windsor Industrial Estate, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QF Garage Services Active by: Automatically positioned to the address	NE	872	•	42517 32402
	Contemporary Tr	ade Directory Entries				
297	Name: Location: Classification: Status: Positional Accurat	Highbury Bilnds Telephone Exchange, Fleet Street, Burton-on-Trent, Staffordshire, DE14 3RS Blinds, Awnings & Canopies Active Cy, Automatically positioned to the address	s	673		42488 32247
	Contemporary Tr	ade Directory Entries				
298	Name: Location: Classification: Status: Positional Accura	Fuller Patterns Ltd Unit 4, Derwent Park, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QA Pattern Makers - Industrial Active cy: Automatically positioned to the address	NE	888	•	42502 32413
	Contemporary Tr	ade Directory Entries				
298	Name: Location: Classification: Status: Positional Accurat	Holfeld Plastics Ltd Unit 4,Derwent Park,Hawkins Lane,Burton-on-Trent,Staffordshire,DE14 1QA Plastic Products - Manufacturers Active cy: Automatically positioned to the address	NE	688	*)	42502 32413
	Contemporary Tr	ade Directory Entries				
298	Name: Location: Classification: Status:	Holmac Ltd Unit 4,Derwent Park,Hewkins Lane,Burton-on-Trent,Staffordshire,DE14 1QA Plastic Products - Manufacturers Active by Automatically positioned to the address	NE	888		42502 32413
		ade Directory Entries				
298	Name: Location; Classification: Status:	Holfeld Tool & Die Ltd Unit 4, Derwent Park, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QA Cutting Tools & Machinery Active	NE	889		42502 32413
_		ty: Manually positioned to the address or location		_		_
298	Name: Location:	ade Directory Entries G Mek Engineering Unit 10,Anderstaff Industrial Estate,Hawkins Lane,Burton-on-Trent,Staffordshire,DE14 1QH	NE	892	-	42505 32412
	Classification: Status: Positional Accurat	Precision Engineers Active sy: Automatically positioned to the address				
	Contemporary Tr	ade Directory Entries				
298	Name: Location: Classification:	Burton Stove Enamelling Unit 14,Anderstaff Industrial Estate,Hawkins Lane,Burton-on-Trent,Staffordshke,DE14 1QH Enamelling	NE	900	-	42505 32413
	Status: Positional Accurac	Active cy: Automatically positioned to the address				
		ade Directory Entries				
298	Name: Location: Classification: Status:	Ray Bryan Unit 9, Derwent Park, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QA Car Body Repairs Active	N	914	-	42500 32416

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	Contemporary Tra	de Directory Entries				
296	Name: Location: Classification: Status: Positional Accuracy	D J Payne Unit 16/17, Anderstaff Industrial Estate, Hawkins Lane, Burton-on- Trent, Staffordshire, DE 14 1QH Mould Manufacturers Active r. Automatically positioned to the address	NE	918		425060 324150
		de Directory Entries	111.00	-		
298	Name: Location: Classification: Status:	Dee Jay Machining Services Unit 16/17,Anderstaff Industrial Estate,Hawkins Lane,Burton-on- Trent,Staffordshke,DE14 1QH Precision Engineers Active Automatically positioned to the address	NE	918	•	42506i 32415i
	Contemporary Tra	de Directory Entries				
298	Name: Location: Classification: Status: Positional Accuracy	Burton Printers Ltd Unit 2 Derwent Park, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QA Printers Active : Automalically positioned to the address	NE	920	•	425036 324166
	Contemporary Tra	de Directory Entries				
299	Name: Location:	K L Unit 4,Windsor Industrial Estate,Hawkins Lane,Burton-on-Trent,Staffordshire,DE14 1QF	NE	888	٠	42520 32403
	Classification: Status: Positional Accuracy	Concrete Products Active : Automatically positioned to the address				
	Contemporary Tra	de Directory Entries				
299	Name: Location: Classification: Status:	Elliott Vehicle Services Ltd Wetmore Road Industrial Estate, Burton-on-Trent, Staffordshire, DE14 1QL Commercial Vehicle Bodybuilders & Repairers Active : Automatically positioned to the address	NE	922		42525 32403
		de Directory Entries				
299	Name: Location: Classification; Status:	European Car Specialists Wetmore Road Industrial Estate, Burton-on-Trent, Staffordshire, DE14 1QL Car Dealers Active : Automatically positioned to the address	NE	922		425250 324030
		de Directory Entries				
299	Name: Location: Classification: Status:	Crown Confectionery Wetmore Road Industrial Estate, Burton-on-Trent, Staffordshire, DE14 1Qt. Confectionery Manufacturers Inactive Automatically positioned to the address	NE	922		425250 324030
		de Directory Entries				
299	Name: Location Classification: Status:	Giensyl Engineering Wetmore Road Industrial Estate, Burton-on-Trent, Staffordshire, DE14 1QL Garage Services Active Automatically positioned to the address	NE	922	٠	425250 324030
	Contemporary Tra	de Directory Entries				
299	Name: Location: Classification: Status:	J J Auto Bodies Unit 5,Wetmore Road Industrial Estate,Burton-on-Trant,Staffordshire,DE14 1QL Car Body Repairs Active : Automatically positioned to the address	NE	964		425250 324080

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	Contemporary Tr	ade Directory Entries				
300	Name: Location: Classification: Status: Positional Accurate	Pedigree Cars Of Burton Horninglow Road, Burton-on-Trent, Staffordshire, DE14 2PZ Garage Services Active sy: Automatically positioned to the address	N	890	•	42458 32420
	Contemporary Tr	ade Directory Entries				
301	Name: Location: Classification: Status:	Renold Chain Horninglow Road, Burton-on-Trent, Staffordshire, DE14 2PS Precision Engineers Active Active Automatically positioned to the address	N	895	-	42447 32419
	Contemporary Tr	ade Directory Entries				
302	Location: Classification: Status:	G E O L White Ltd Clarence Street,Burton-on-Trent,Staffordshire,DE14 3LG Agricultural Merchants Active sy: Automatically positioned to the address	sw	905	1,2,	42416 32256
		ade Directory Entries				
302	Name: Location: Classification: Status:	George White Ltd Clarence Street, Burton-on-Trent, Staffordshire, DE14 3LG Road Haulage Servicas Active St. Automatically positioned to the address	SW	905	-	42416 32256
		ade Directory Entries				
303	Name: Location: Classification: Status:	Burton Trade Windows Ltd Derby Road Burton-on-Trent, Staffordshire, DE14 1RX Window Frames - Sales & Service Active y; Automatically positioned to the address	N	909	-	42480 3242
		ade Directory Entries				
304	Name: Location: Classification: Status:	Baldwin Transport Ltd Hawkins Lane,Burton-on-Trent,Staffordshire,DE14 1PT Road Haulage Services Active y: Automatically positioned to the address	NE	913		42516 32408
		sde Directory Entries				
305	Name: Location: Classification: Status:	Aptec Engineering (Burton) Ltd 43,Gordon Street,Burton-on-Trent,Staffordshire,DE14 2HZ Engineers - General Active y: Automatically positioned to the address	NW	915	٠	42406 32399
	Contemporary Tr	ade Directory Entries				
306	Name; Location; Classification; Status; Positional Accurac	R & J Holt 41, Dallow Crescent, Burton-on-Trent, Staffordshire, DE14 2PN Road Haulage Services Active y: Automatically positioned to the address	NW	922		42427 32414
	Contemporary Tra	de Directory Entries				
307	Name: Location: Classification: Status: Positional Accurac	Buerton Bullding Plastics Derwent Perk, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QA PVC-U Products - Manufacturers & Suppliers Active Automatically positioned to the address	N	932	•	42501 32418
	Contemporary Tra	de Directory Entries				
307	Name: Location: Classification: Status:	Key Diesel Unit 12, Derwent Park, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QA Diesel Fuel Injection Services Active 7: Automatically positioned to the address	N	945		42501 32420

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	Contemporary Tra	de Directory Entries				
306	Name: Location: Classification: Status: Positional Accuracy	Johnson Cleaners (Uk) Ltd Lichfield Street,Burton-on-Trent,Staffordshire,DE14 3RH Dry Cleaners Active ; Automatically positioned to the address	S	944	•	42467 32237
	Contemporary Tra	de Directory Entries				
309	Name: Location; Classification; Status; Positional Accuracy	Pectel Ltd Pectel Group, Shubnell Road, Burton On Trent, Staffordshire, DE14 2BW Asbestos Products & Removal Active : Manually positioned to the road within the address or location	w	946	•	42374 32311
		de Directory Entries				
310	Name: Location; Classification: Status; Positional Accuracy	Anderson Windows Anderson Ho, Dallow St, Burton On Trent, Staffordshire, DE14 2PQ Window Frames - Sales & Service Active Manually positioned to the road within the address or location	NW	948	•	42413 32410
	Contemporary Tra	de Directory Entries				
311	Name: Location: Classification: Status:	Elecon Ltd Wharf Road,Burton-on-Trent,Staffordshire,DE14 1PZ Mechanical Handling Equipment Active Active Automatically positioned to the address	NE	954	•	42522 32409
-		de Directory Entries				
11	Name: Location: Classification: Status:	D M B Auto Repair Centre Unit 4, Wetmore Road Industrial Estate, Burton-on-Trent, Staffordshire, DE14 1QL Garage Services Inactive Automatically positioned in the proximity of the address	NE	974		42526 32409
		de Directory Entries				
312	Name: Location: Classification: Status:	Forestmaze Ltd Paramount Works, Anderstaff Industrial Estate, Hawkins Lane, Burton-on- Trent, Staffordshire, DE14 1QH Precision Engineers Active	NE	962	•	42511 32417
_		Automatically positioned to the address				
313	Name: Location: Classification: Status:	de Directory Entries Tower Brewery The Old Water Tower, Glensyl Way, Off Wharf Rd, Burton On Trent, Staffordahire, DE14 1PZ Brewers Active : Manually positioned to the road within the address or location	NE	964		42531 32403
		de Directory Entries				
313	Name: Location: Classification: Status:	Greenway Engineering Wharf Rd,Burton On Trent,Staffordshire,DE14 1PZ Engineers - General Active : Manually positioned to the road within the address or location	NE	972		42528 32407
		de Directory Entries				
314	Name: Location: Classification: Status:	Bearing Transmission & Pneumatics Ltd Anderstaff Industrial Estate, Hawkins Lane, Burton-on-Trent, Staffordshire, DE 14 1QH Power Transmission Services Active Active Automatically positioned to the address	NE	966	•	42506 32419
		de Directory Entries				
314	Name: Location: Classification: Status:	Vell'S Doner Kebab Manufacturers (Wholesale) Ltd Anderstaff Industrial Estate, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QH Food Products - Manufacturers Active	NE	966	•	42506 32419

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	Contemporary Tra	de Directory Entries				
314	Name: Location: Classification: Status: Positional Accuracy	Knightbridge Services Anderstaff Industrial Estate, Hawkins Lane, Burton-on-Trent, Staffordshire, DE14 1QH Garage Services Active Active Active Automatically positioned to the address	NE	966	•	42506 32419
		de Directory Entries				
315	Name: Location:	Taylor Engineering Unit 2, Wharf Road Industrial Estate, Wharf Road, Burton-on-Trent, Staffordshire, DE14 1PZ	NE	968		42520 3241
	Classification: Status: Positional Accuracy	Precision Engineers Active Active Automatically positioned to the address				
		de Directory Entries				
115	Name: Location; Classification: Status:	Tony Press Cars Wharf Rd, Burton-on-Trent, Staffs, DE14 1PZ Garage Services Active p: Manually positioned to the road within the address or location	NE	995		42523 32414
		de Directory Entries				
316	Name: Location: Classification: Status:	Express Dairies Anglesey Rd,Burton On Trent,Staffordshire,DE14 3PF Dairies Active	sw	974	•	42397 32264
		/: Manually positioned to the road within the address or location			_	
317	Name: Location: Classification: Status:	Ide Directory Entries Tresises (Printers) Ltd Orchard Street, Burton-on-Trent, Staffordshire DE14 3BW Printers Active	S	978		4245 3223
_		: Automatically positioned to the address				_
318	Name: Location; Classification: Status:	nde Directory Entries Thomley Street Garage Thomley St,Burton On Trent,Staffordshire,DE14 2QW Car Dealers Active	N	983	-	42462 32436
_		: Manually positioned to the road within the address or location				
319	Name: Location: Classification: Status:	wetmore Accident Repair Centre A P S Industrial Park, Wetmore Rd, Burton On Trent, Staffordshire, DE14 1SS Car Body Repairs Active y: Manually positioned to the road within the address or location	NE	985		42537 32401
		de Directory Entries				
320	Name: Location: Classification: Status:	T N V Domestic 125,Shobnall Street,Burton-on-Trent,Staffordshire,DE14 2HL Domestic Appliances - Servicing, Repairs & Parts Active 7: Automatically positioned to the address	NW	986	-	42382 32381
		de Directory Entries				
321	Name: Location: Classification: Status:	A W Lester 126,Victoria Crescent, Burton-on-Trent, Staffordshire, DE14 2QQ Dalries Inactive ; Automatically positioned to the address	NW	993	2.	42422 32420
	Fuel Station Entric					
322	Name: Location: Brand: Premises Type: Status:	Maithouse Service Station Hominglow Street, BURTON-ON-TRENT, Staffordshire, DE14 1NG Closed Petrol Station Closed	E	490		42516 32331

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Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
emer sc	Fuel Station Entrie	8				
323	Name: Location: Brand: Premises Type: Status: Positional Accuracy	Kenning Car & Van Rental Moor Street, BURTON-ON-TRENT, Staffordshire, DE14 3SZ Out Of Industry Petrol Station Out of Industry : Automatically positioned to the address	SW	518	•	424390 322880
	Fuel Station Entrie	8				
324	Name: Location: Brand: Premises Type: Status: Positional Accuracy	Wadham Kenning Moor Street, BURTON-ON-TRENT, Staffordshire, DE14 3SY Out Of Industry Petrol Station Out of Industry : Automatically positioned to the address	sw	623		424250 322850
	Fuel Station Entrie	5				
325	Name: Location: Brand: Premises Type: Status: Positional Accuracy	Navigation Garage & Car Hire 300 Derby Road,BURTON-ON-TRENT,Staffordshire,DE14 1RN Closed Petrol Station Closed : Automatically positioned to the address	N	771	-	424660 324090
	Fuel Station Entrie	s .				
326	Name: Location: Brand: Premises Type: Status Positional Accuracy	Wadham Kenning Horninglow Road,BURTON-ON-TRENT,Staffordshire,DE14 2PZ Out Of Industry Petrol Station Out of Industry Approximate location provided by supplier	N	775		424520 324070
	Fuel Station Entrie					
327	Name: Location: Brand: Premises Type: Status: Positional Accuracy	Borough Service Station Lichfield Street,BURTON-ON-TRENT,Staffordshire,DE14 3RH Out of Industry Petrol Station Out of Industry : Manually positioned to the address or location	S	945		424670 322370

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Map ID	Details:	Compass Direction	Estimated Distance From Site	Contact	t NGR
Nitrate Vulnerab	le Zones				
Name: Multiple Area: Area (m3): Source:	Not Supplied Not Supplied 8452773376 Department for Environment, Food and Rural Affairs (DEFRA - formally from FRCA)		0	9	424670 323310

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Data Type	Version	Update Cycle
Agency & Hydrological		明信证 ,《李
Air Pollution Controls		
East Staffordshire District Council Environmental Health Department	January-2003	Annual Rolling Update
Air Pollution Control Enforcements		
East Staffordshire District Council Environmental Health Department	January-2003	Annual Rolling Update
Contaminated Land Register Entries and Notices		
East Staffordshire District Council Environmental Health Department	August-2002	Annually
Discharge Consents		
Environment Agency Midlands Region	December-2002	Bl-Annually
Enforcement and Prohibition Notices		
Environment Agency Midlands Region	April-2003	As notified
Integrated Pollution Controls		
Environment Agency Midlands Region	March-2003	Quarterly
Integrated Pollution Prevention And Control		
Environment Agency Midlands Region	March-2003	Bi-Annually
Pollution Incidents to Controlled Waters		
Environment Agency Midlands Region	December-1999	Variable
Prosecutions Relating to Authorised Processes		
Environment Agency Midlands Region	April-2003	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency Midlands Region	March-2003	As notified
Red List Discharge Consents		
Environment Agency Midlands Region	March-2003	Quarterly
Registered Radioactive Substances		
Environment Agency Midlands Region	February-2003	Quarterly
River Quality		
Environment Agency Head Office	November-2001	Not Applicable
Water Abstractions		
Environment Agency Midlands Region	July-2002	Bi-Annually
Groundwater Vulnerability		
Environment Agency Head Office	January-1999	Not Applicable
Prift Deposits		
Environment Agency Head Office	January-1999	Not Applicable
Fluvial Indicative Floodplains		
Environment Agency Head Office	January-2003	Variable

Report Reference: 272022-1-1

Date:





Data Type	Version	Update Cycle
Agency & Hydrological	A.S. P.L. Madhall Sci. 140	
Tidal Indicative Floodplains Environment Agency Head Office	January-2003	Variable
Source Protection Zones Environment Agency Head Office	August-2000	As notified
River Flood Data (Scotland) Centre for Ecology and Hydrology	September-1999	Not Applicable





Data Type	Version	Update Cycle
Waste		
BGS Recorded Landfill Sites British Geological Survey Information Services Group	June-1996	Not Applicable
Integrated Pollution Control Registered Waste Sites Environment Agency Midlands Region	March-2003	Quarterly
Licensed Waste Management Facilities (Landfills) Environment Agency - Midlands Region Upper Trent Area	July-2002	Bi-Annually
Local Authority Landfill Coverage East Staffordshire District Council Environmental Health Department Staffordshire County Council Waste Management	May-2000 May-2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Staffordshire County Council Waste Management	May-2000	Not Applicable
Registered Landfill Sites Environment Agency - Midlands Region Upper Trent Area	June-2002	Annual Rolling Update
Registered Waste Transfer Sites Environment Agency - Midlands Region Upper Trent Area	June-2002	Annual Rolling Update
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region Upper Trent Area	June-2002	Annual Rolling Update

Report Reference: 272022-1-1

Date: 10-Apr-2003





Data Type	Version	Update Cycle
Hazardous Substances	Para Carlos (September 1987)	
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	May-2001	Variable
Explosive Sites Health and Safety Executive	December-2002	Bi-Annualty
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November-2000	Not Applicable
Planning Hazardous Substance Consents East Staffordshire District Council Planning Department	July-2002	Annual Rolling Update
Planning Hazardous Substance Enforcements East Staffordshire District Council Planning Department	July-2002	Annual Rolling Update





Data Type	Version	Update Cycle
Geological		
BGS Boreholes British Geological Survey National Geological Records Centre	January-2003	Bi-Annually
BGS Recorded Mineral Sites British Geological Survey Information Services Group	October-2002	Annualiy
BGS 1:625,000 Solid Geology British Geological Survey Information Services Group	August-1996	Not Applicable
Coal Mining Affected Areas The Coal Authority Mining Report Service	December-2001	Not Applicable
Shallow Mining Hazards British Geological Survey Information Services Group	January-2002	Variable
Natural Subsidence Hazards British Geological Survey Information Services Group	January-2002	Variable
Radon Affected Areas National Radiological Protection Board	September-1999	Not Applicable
Radon Protection Measures British Geological Survey Information Services Group	August-2002	Variable



Data Type	Version	Update Cycle
Industrial Land Use		
Contemporary Trade Directory Entries		
Thomson Directories	July-2002	Bi-Annually
Fuel Station Entries		
Catalist Ltd (Fuel Station Data)	January-2003	Quarterly



Data Type	Version	Update Cycle
Sensitive Land Uses		ALCONOMICS OF
Areas of Adopted Green Belt		
East Staffordshire District Council	March-1999	As notified
South Derbyshire District Council	May-1998	As notified
Areas of Outstanding Natural Beauty		
The Countryside Agency	September-2000	Not Applicable
Environmentally Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formally from FRCA)	January-2003	As Designated
Forest Parks		
Forestry Commission	April-1997	As Designated
Local Nature Reserves		
East Staffordshire District Council	January-2000	As notified
South Derbyshire District Council	September-1999	As notified
Marine Nature Reserves		
English Nature	December-2002	Bi-Annually
National Nature Reserves		
English Nature	December-2002	Bi-Annually
National Parks		
The Countryside Agency	October-2000	As Designated
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formally from FRCA)	January-2000	As Designated
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formally from FRCA)	November-2002	As Designated
Ramsar Sites		
English Nature	December-2002	Bi-Annually
Sites of Special Scientific Interest		
English Nature	December-2002	Bi-Annually
Special Areas of Conservation		
English Nature	December-2002	Bi-Annually
Special Protection Areas		
English Nature	December-2002	Bi-Annually

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Data Suppliers & Copyright Statements

Some of the organisations who provide data which is used within the report

Ordnance Survey	Cis Ordnance Survey*
Environment Agency	ENVIRONMENT AGENCY
Scottish Environment Protection Agency	SEPA Scottish Environment Protection Agency
The Coal Authority	The COAL AUTHORITY
British Geological Survey	British Geological Survey ALTUAL SURVEY Value Added Reseller
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Countryside Council for Wales	CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES
Scottish National Heritage	SCOTTISH NATURAL HERITAGE
English Nature Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, English Nature who retain the copyright and Intellectual Property Rights for the data	ENGLISH NATURE
National Radiological Protection Board	RPB

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uport Reference: 272022-1-1

Date:



Name and Address Contact

East Staffordshire District Council Environmental Health

Department

Midland Grain Warehouse

Derby Street

Burton Upon Trent

Staffordshire

DE14 2JJ

2 **Environment Agency Midlands Region**

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Avon

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Fax 0121 722 5824

Telephone 01454 624411 Fax 01454 624409

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www.bgs.ac.uk

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NG12 5GG

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National Radiological Protection Board

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Oxfordshire

OX11 0RQ

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- formally from FRCA)

Government Buildings

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LS16 5QT

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Telephone 0113 2613333

Fax 0113 230 0879

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Fax 0115 936 3200

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Telephone 0845 7626848

DX 716176 Mansfield 5

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Avon

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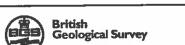
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10-Apr-2003



BGS Borehole Order Form



HATURAL ENVISOR	MENT RESEARCH COUR	HEIL	BGS ref no: ISGR/
Value Adde	d Resell	er	Your ref/order no. (If required):
		BOREH	IOLE RECORDS ORDER FORM
Please note this order Centre (NGRC) identifi	form is only to led from Landr	be used for nark Reports	r the supply of borehole records from the National Geological Records ts
Name:- Address:-			Company:-
Tulankan Numban			Fax Number:-
Telephone Number:-			rax Number,-
Date:-			
With repect to the folio	-		
Enquire about the cost	ts [] Purchase	copies [] N	New Leaflet
BGS Registration nu	ımber;		
Quarter Sheet	Number	Suffix	Name
Note: More than 10 rec	cords can be o	rdered, but I	It is advisable to discuss your requirements first with NGRC staff
Unit price £1	3(+VAT) r	er bore	ehole. Minimum charge £26(+VAT)
Method of delivery pis			

Unit price £13(+VA1) per borenole.	Millimani Charge 220(1 VAI)
Method of delivery, please indicate preferred option.	**
1st class post [] Special delivery (guaranteed next day before 12:30pm.) (Note 1st, class postage is included in the unit charge. Additional charges)
Please return this form to: - The Records Officer, National Geological Reco	ords Centre, British Geological Survey,

Tel: 0115936 3109

E-mail: ngis@bgs.ac.uk

Fax: 0115936 3276

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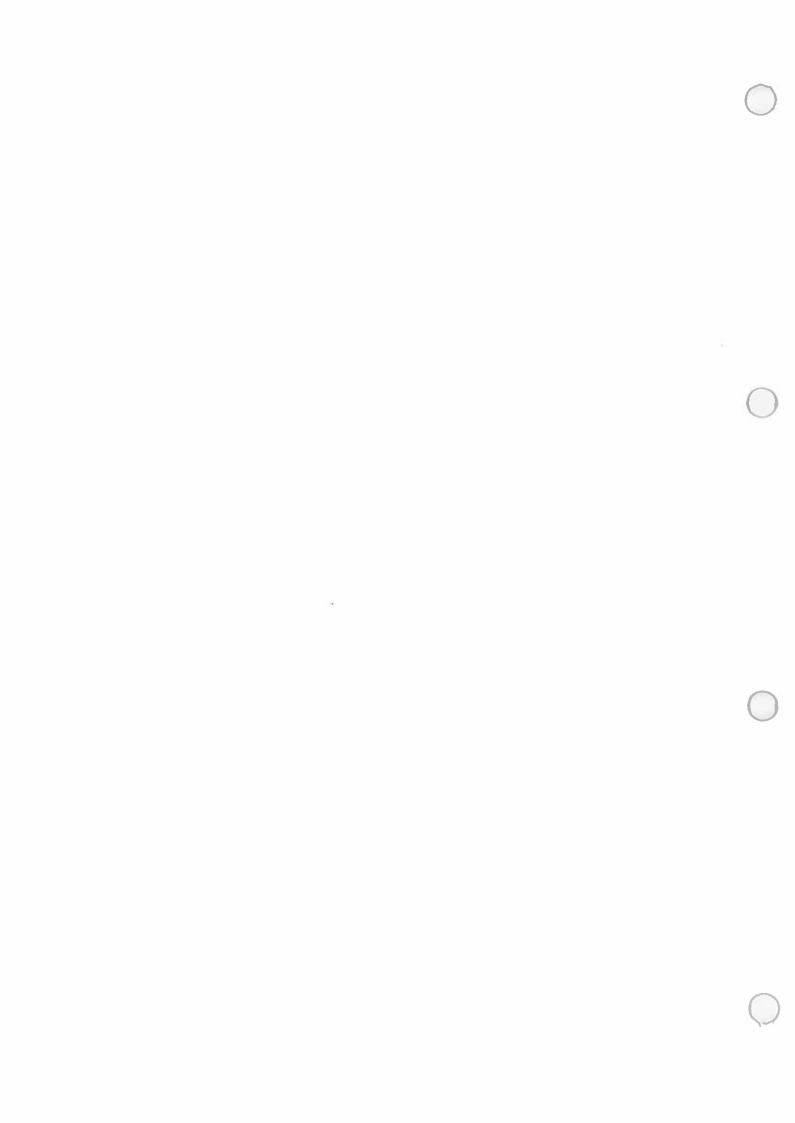
Keyworth, Nottingham, NG12 5GG.

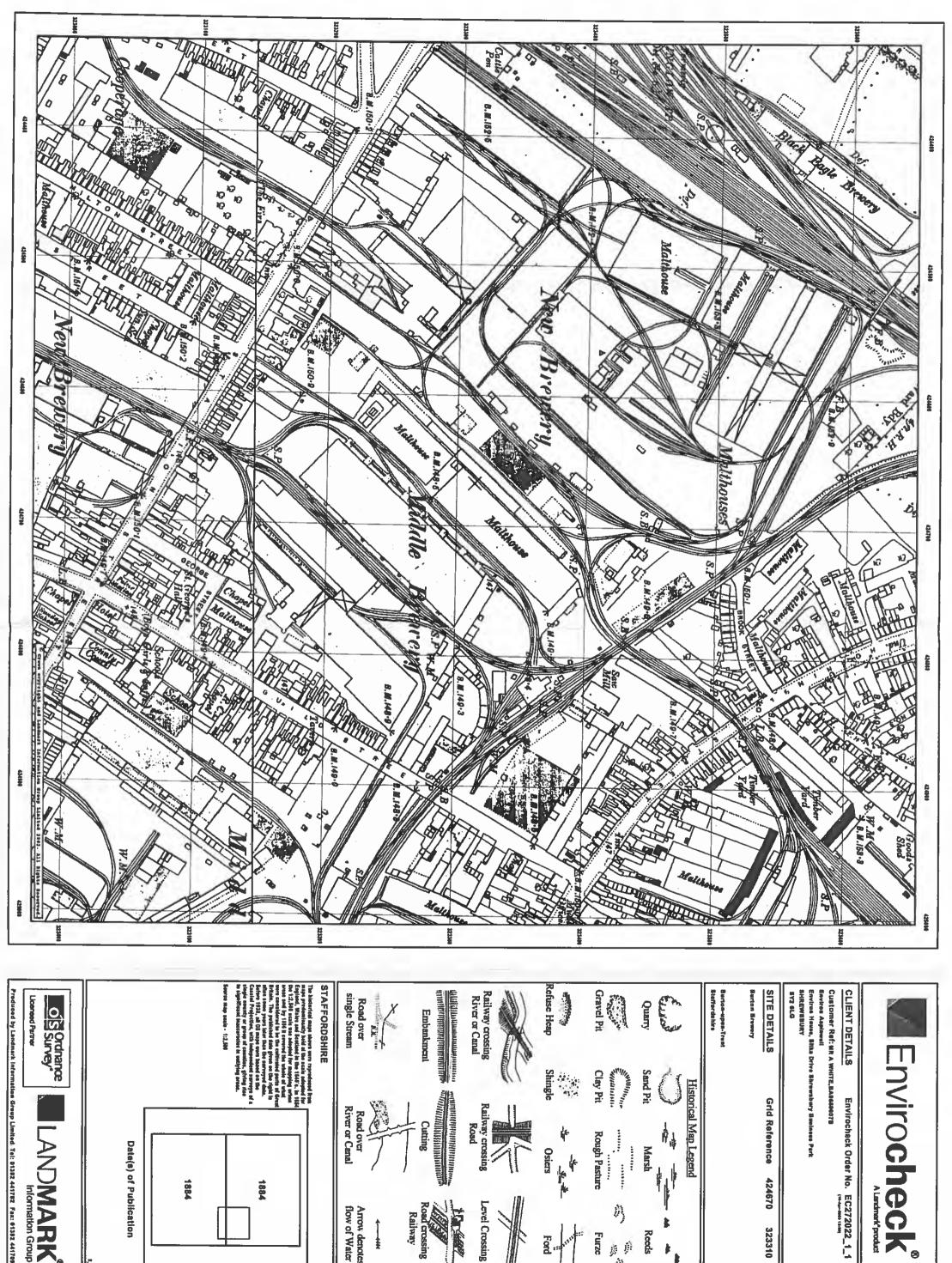
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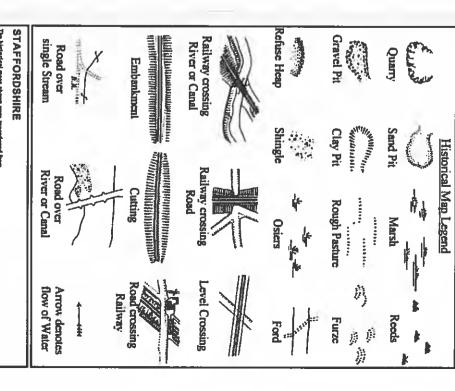




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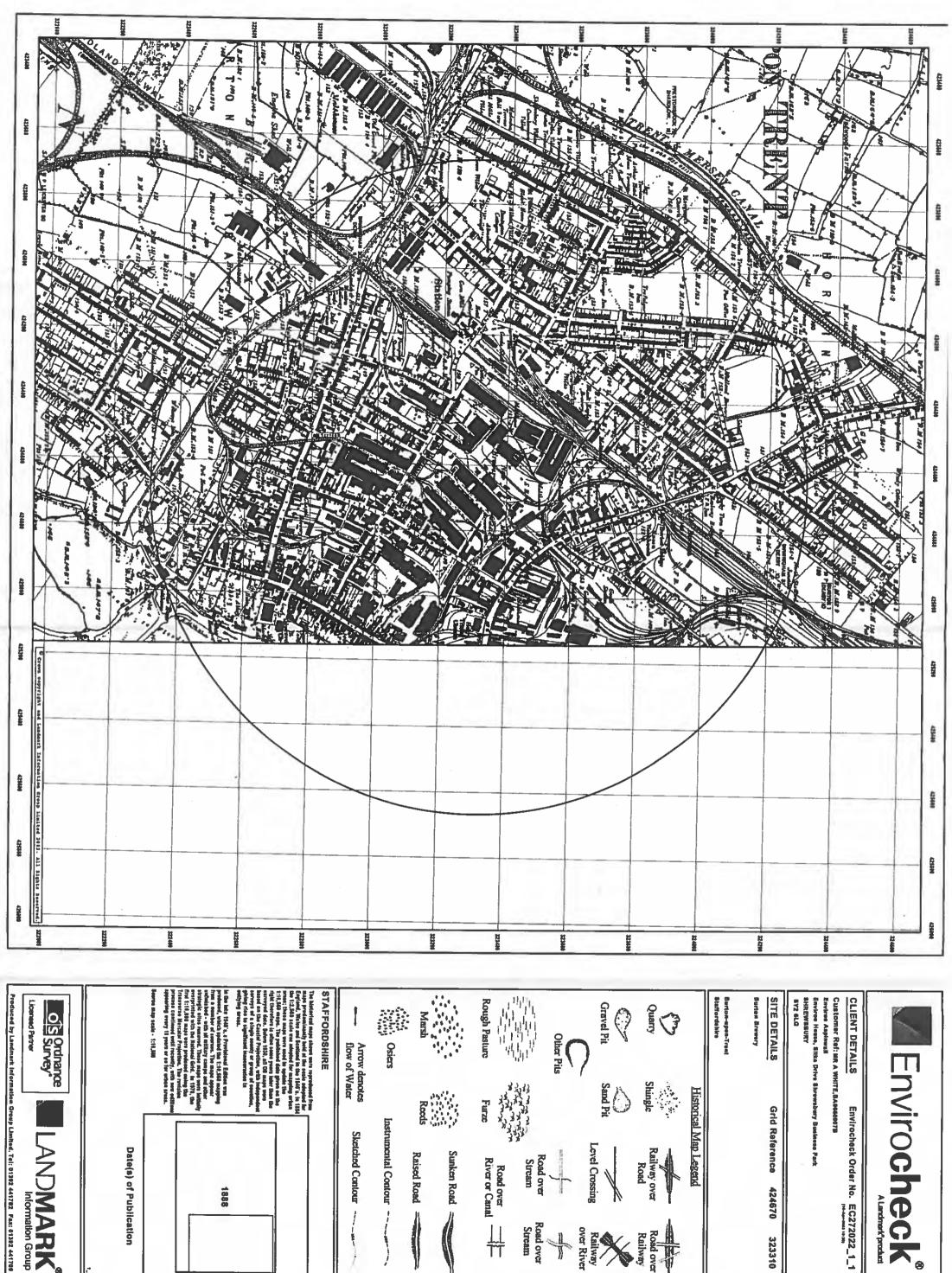
1884

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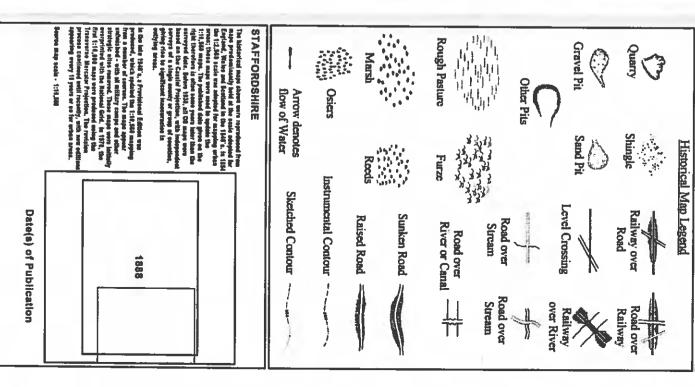


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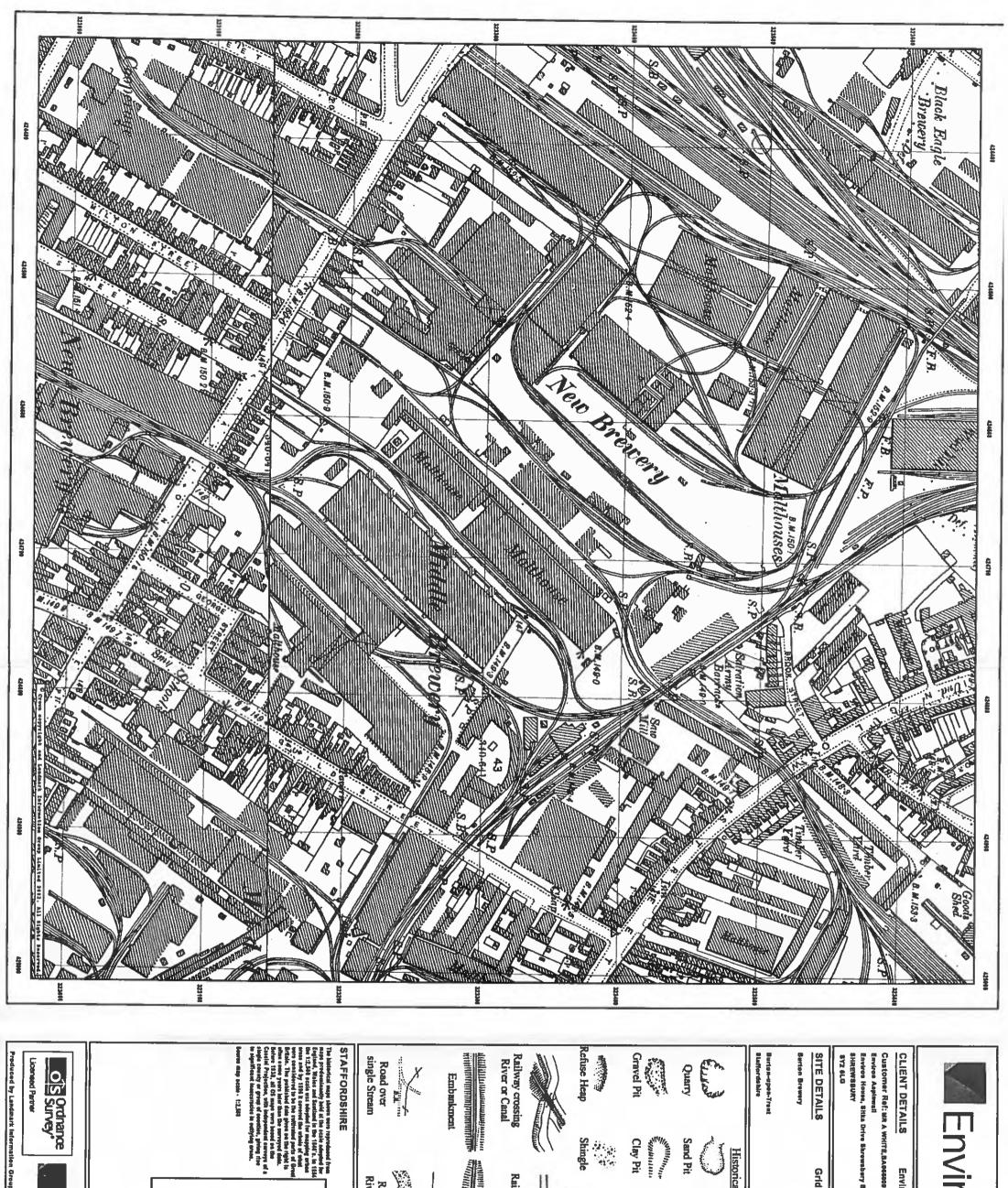
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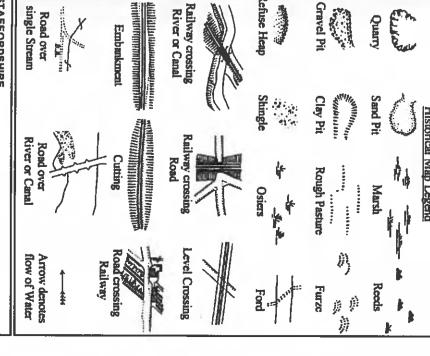
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Ú Shingle Clay Pit William. Sand Pit Historical Map Legend H_d Osiers Rough Pasture Marsh g p H





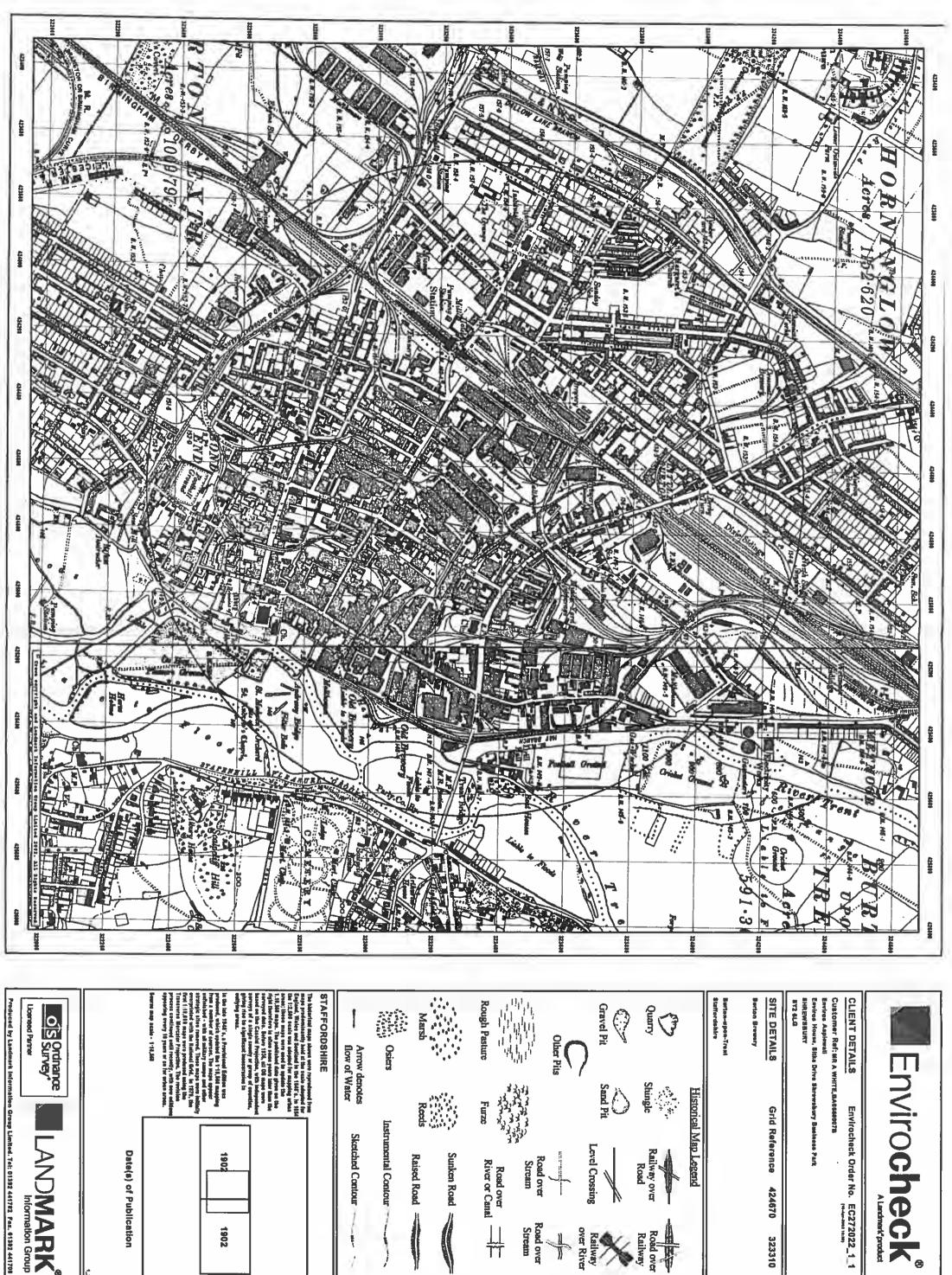


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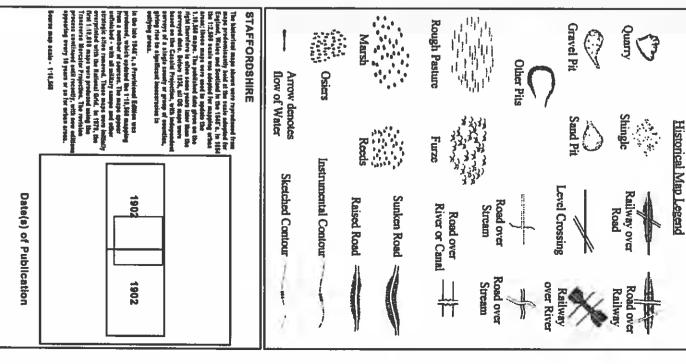
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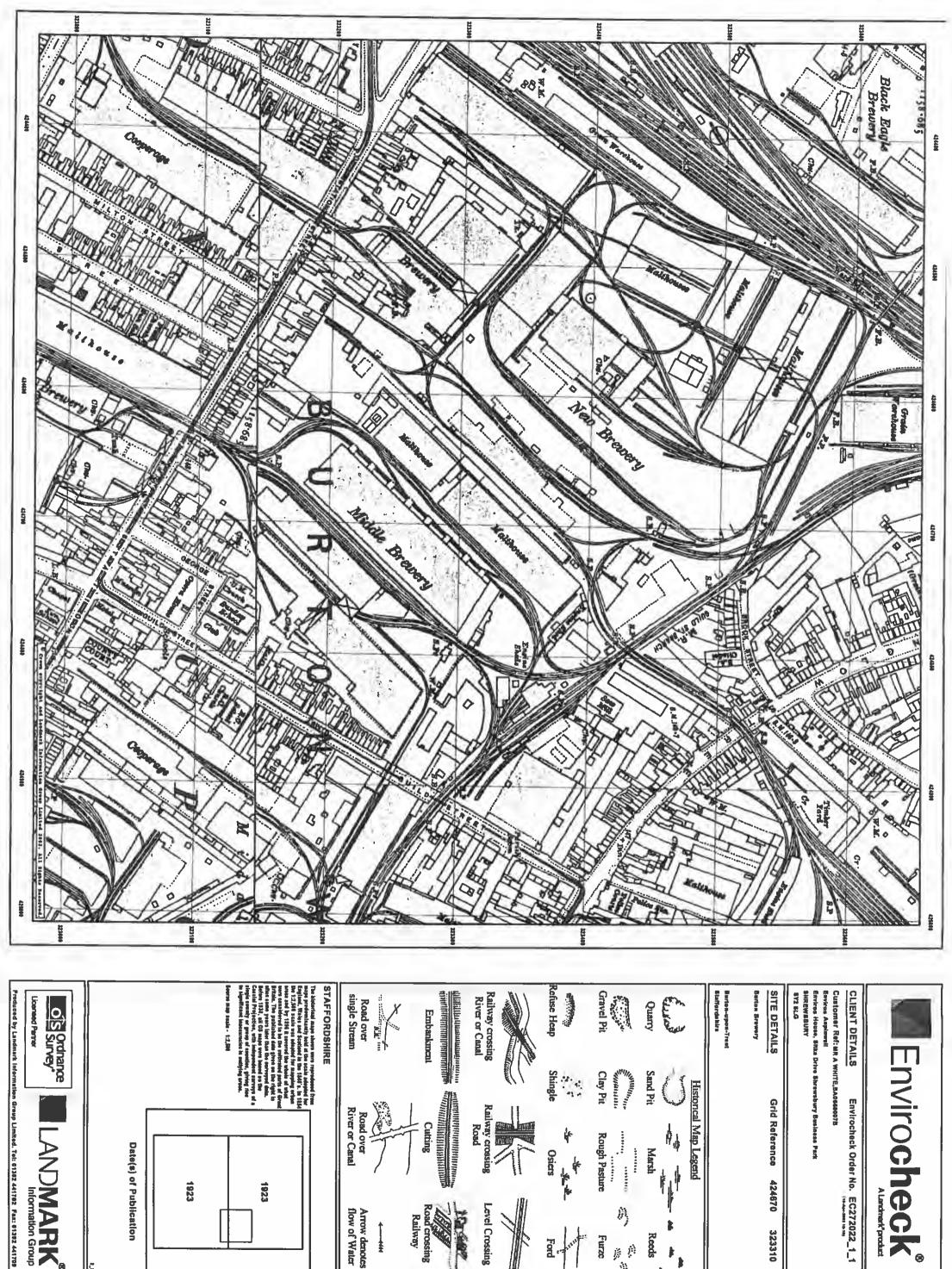


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Road crossing Railway

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Level Crossing

Clay Pit Sallanin.

Rough Pasture

例

Furze

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Marsh

Historical Map Legend

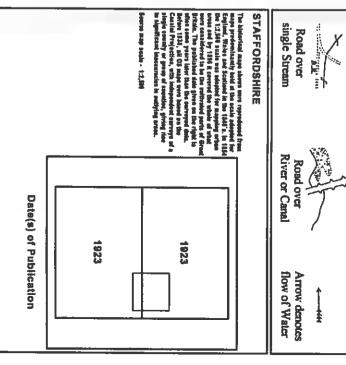
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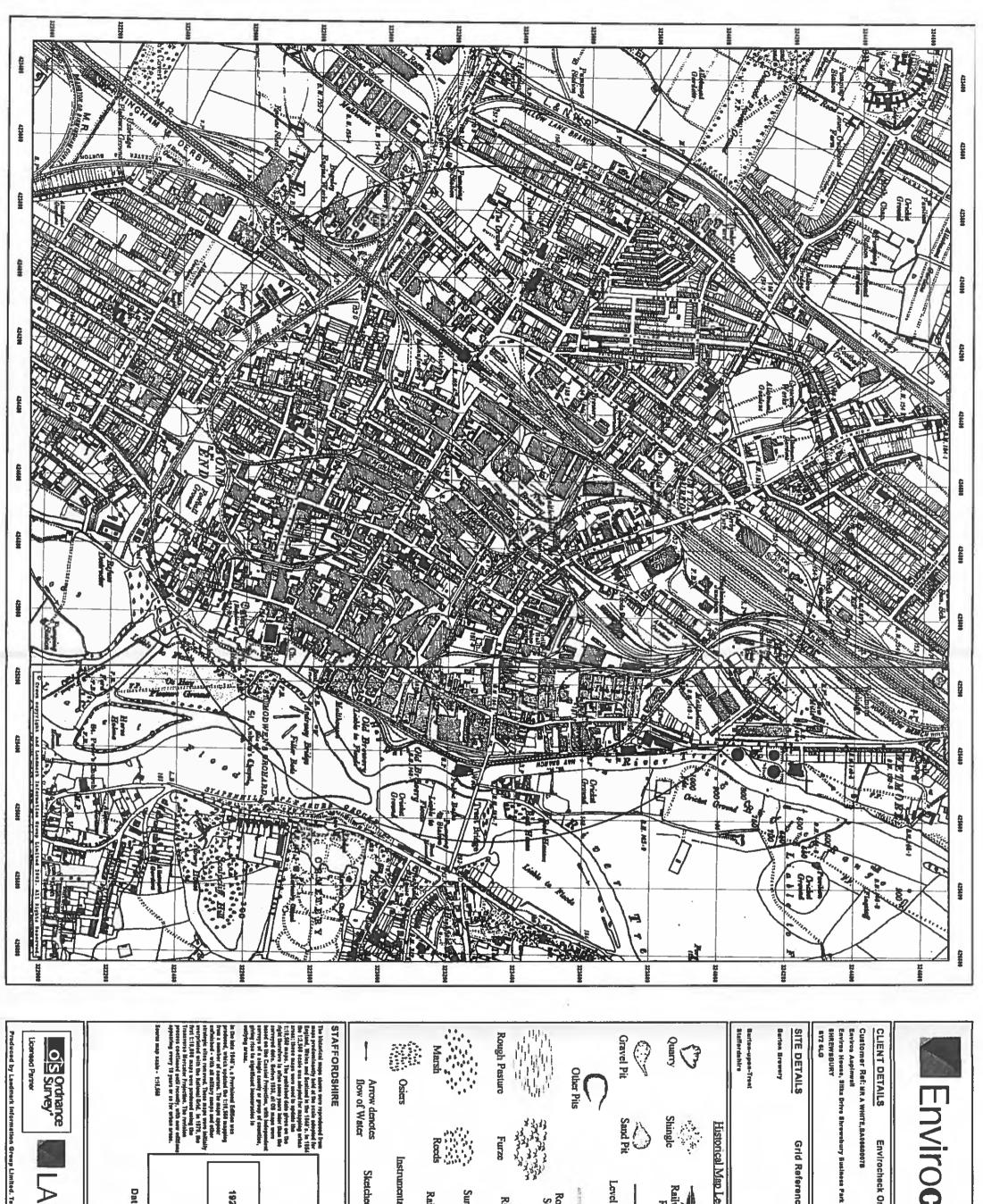
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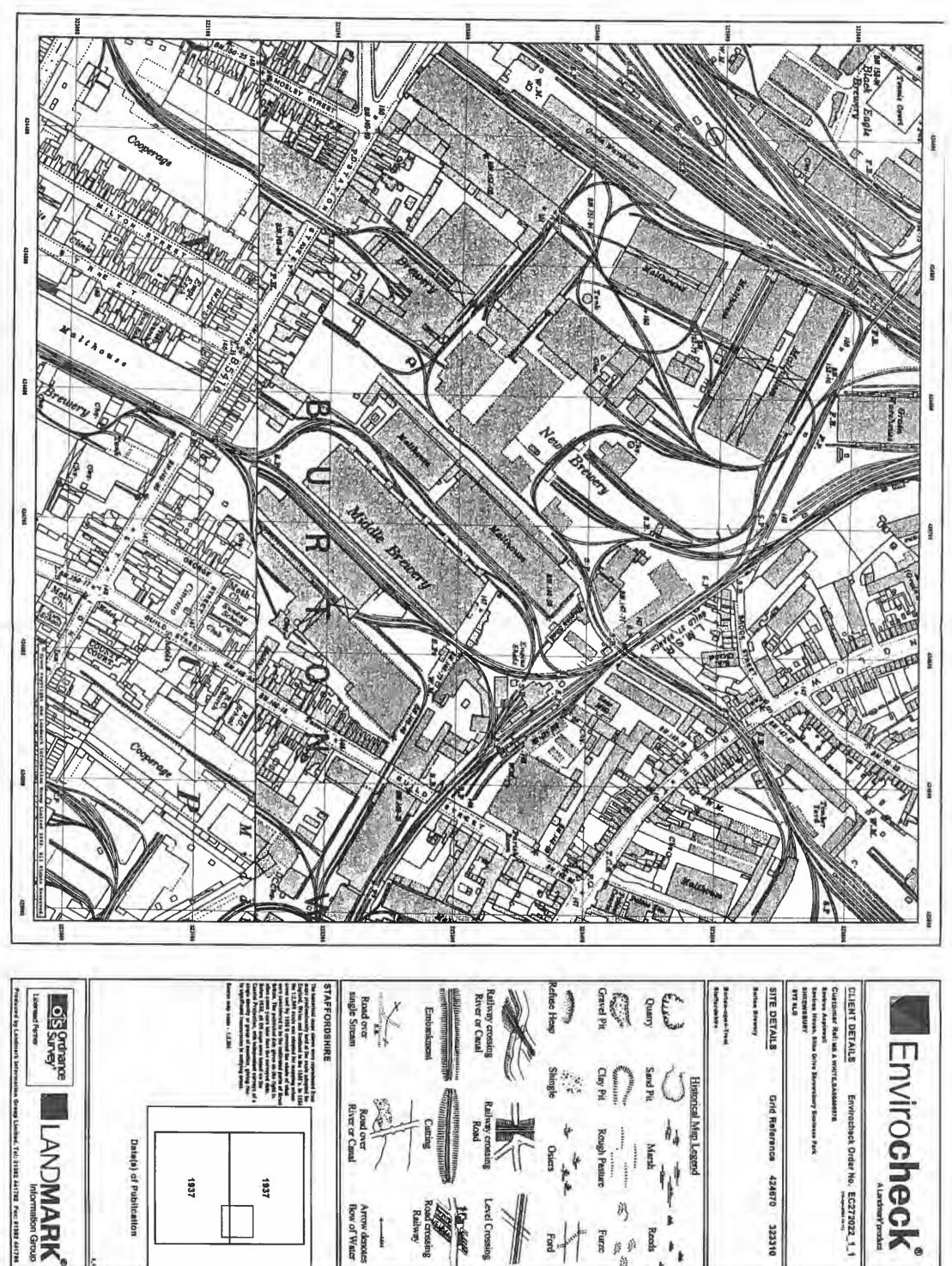
Marsh Gravel Pit Rough Pasture Osiers Other Pits Arrow denotes flow of Water Sand Pit Historical Map Legend Furze Instrumental Contour Sketched Contour ----Level Crossing Railway over Sunken Road Raised Road Road over Stream Road over Railway Railway over River

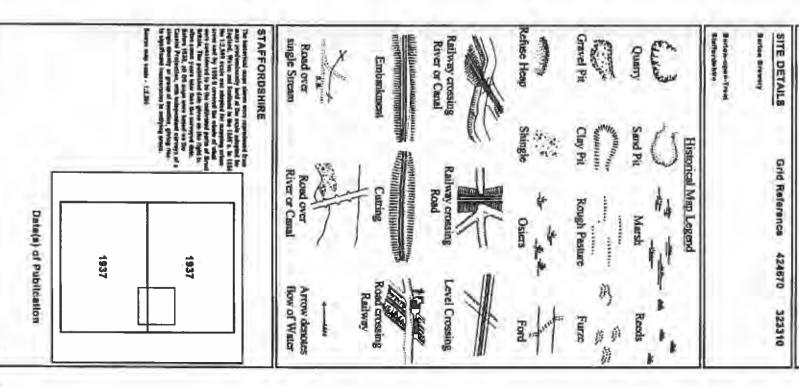


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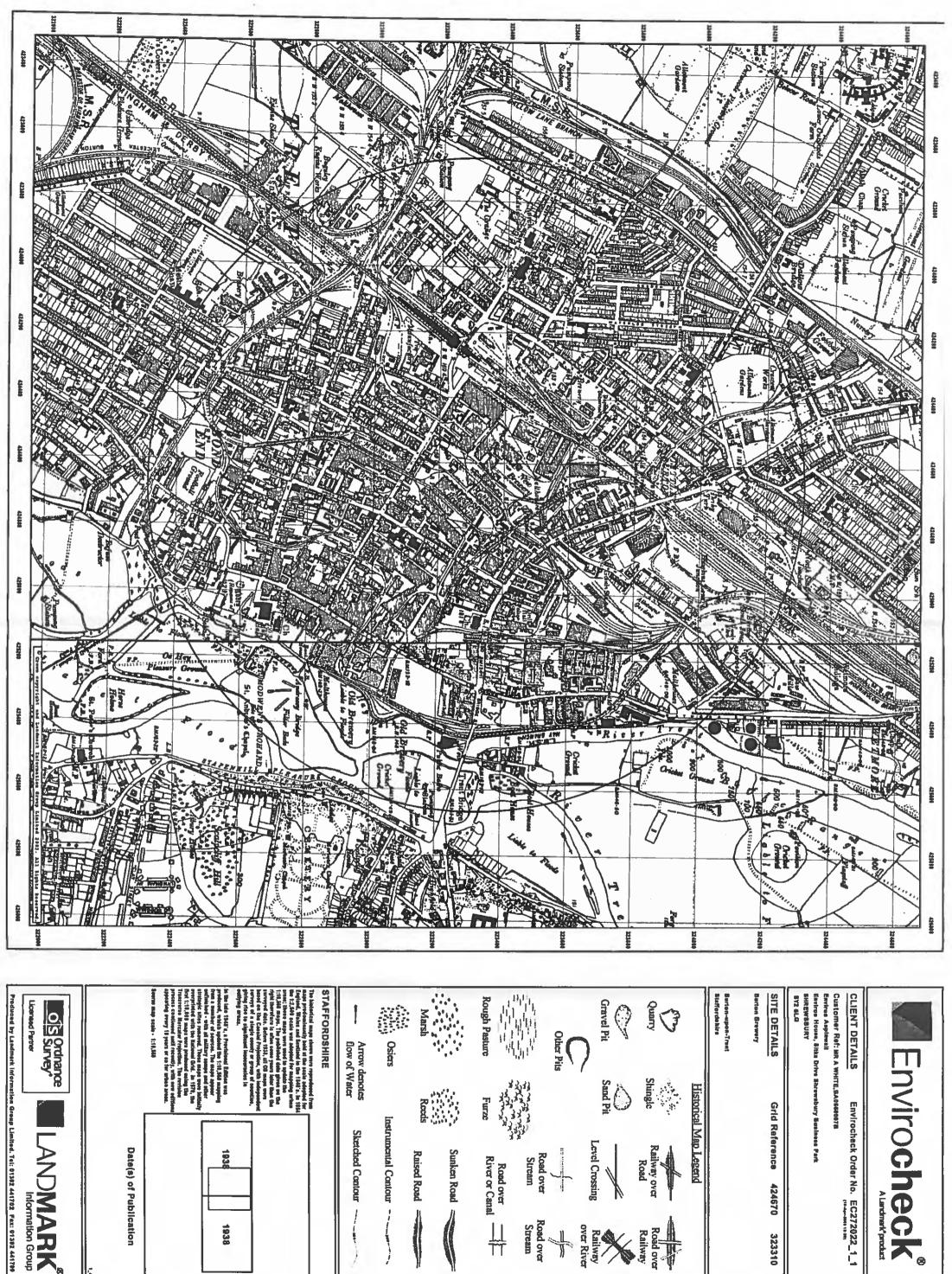
1924





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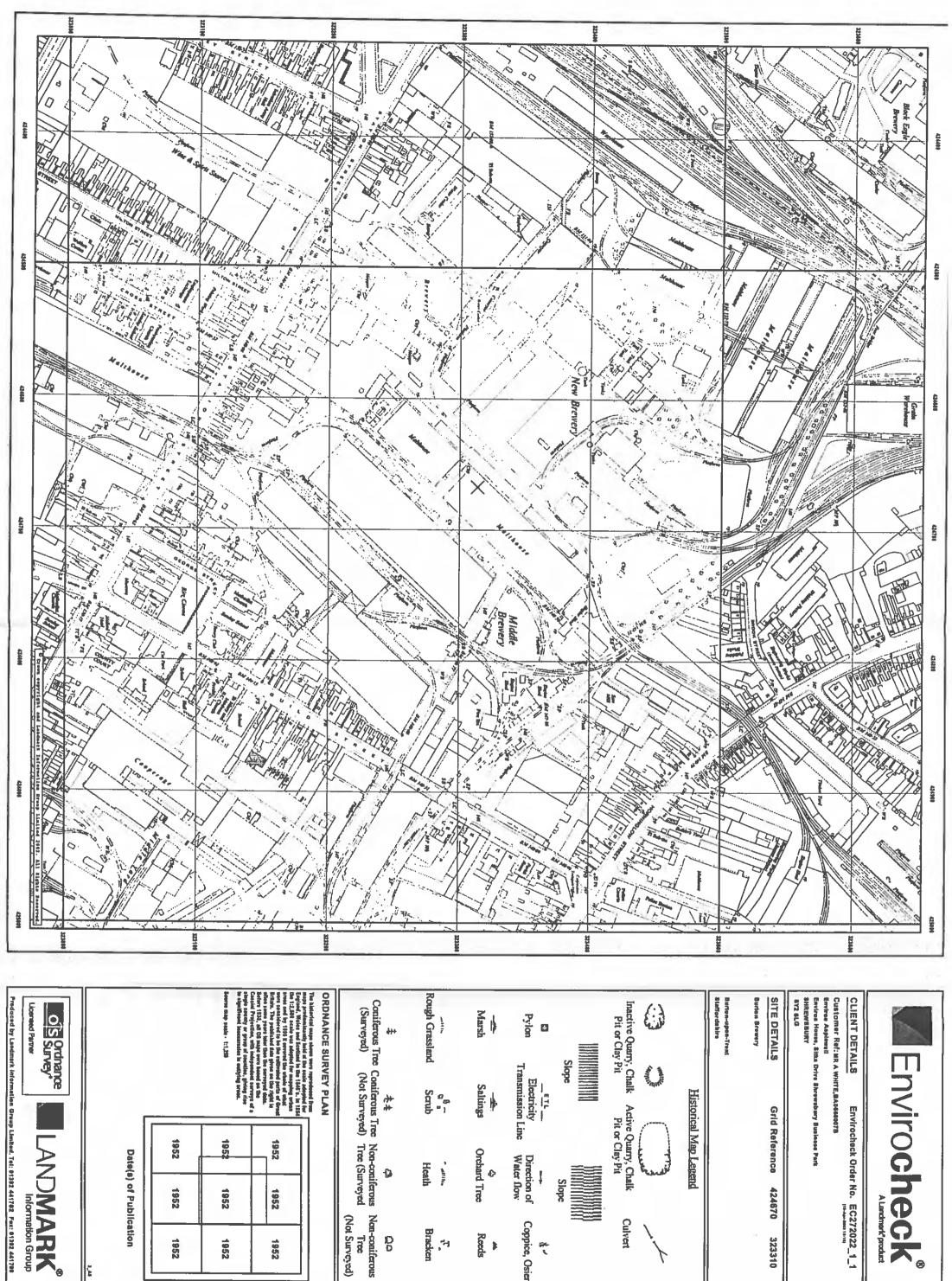




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& Orchard Tree

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₁r <u>.</u> Bracken

Direction of Water flow

Coppice, Osier

ii.

Slope

Culvert

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1952

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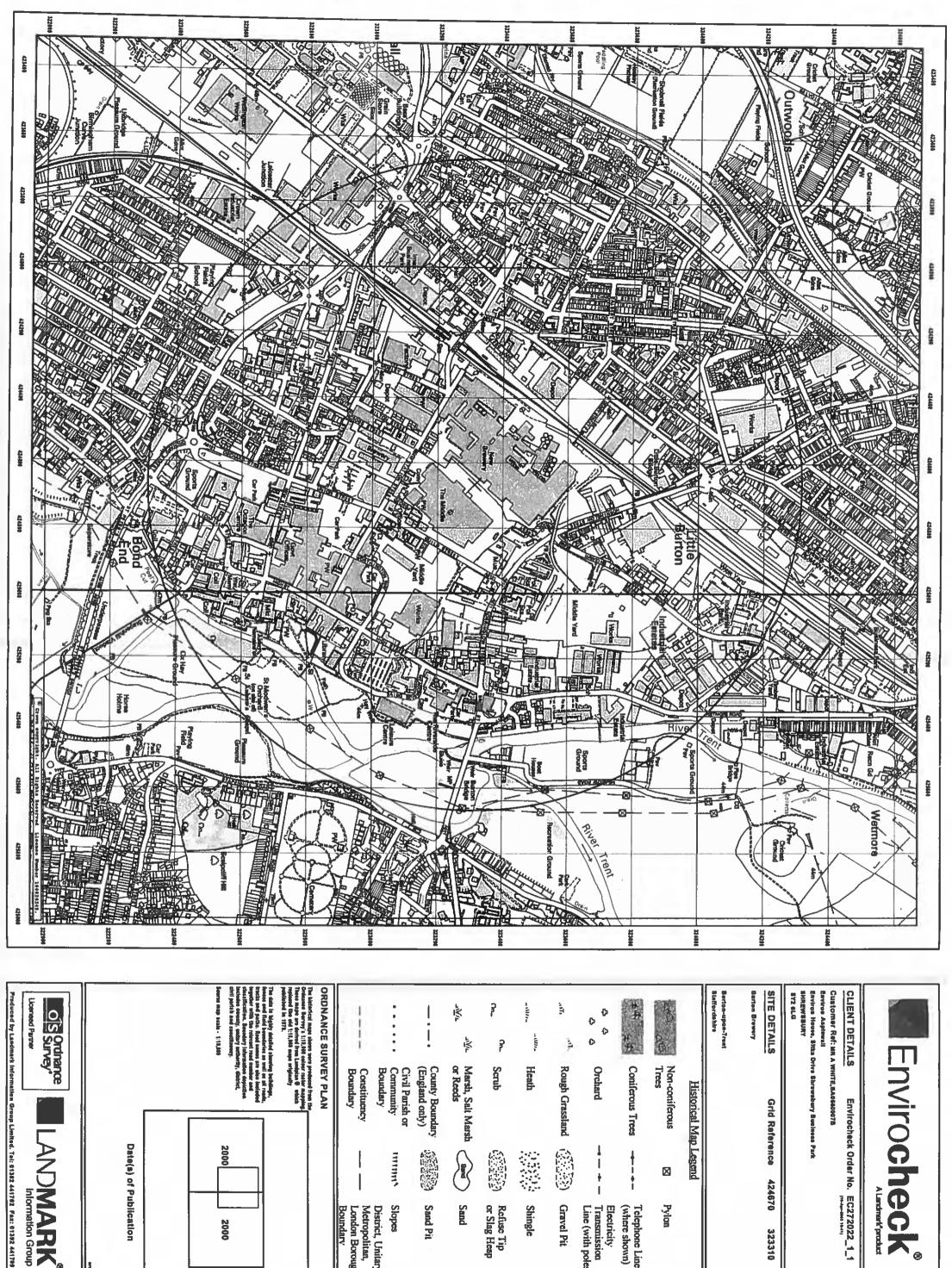
1952

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Sand

Refuse Tip or Slag Heap

Shingle

Sand Pit

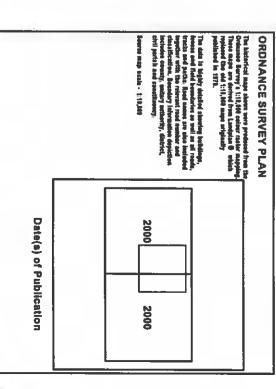
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District, Unitary, Metropolitan, London Borough



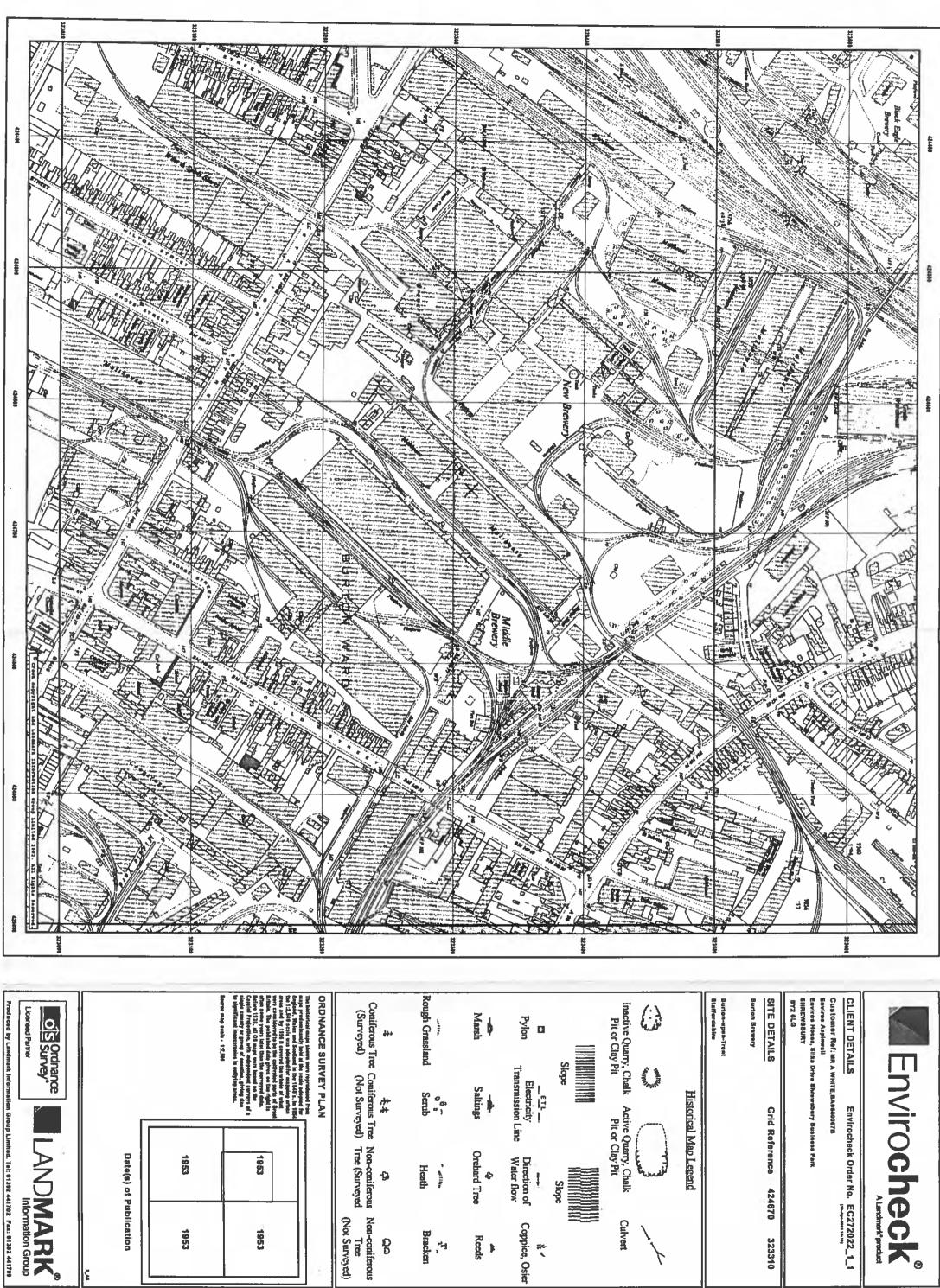
Customer Ref: NR A WHITE, SASGEDS07B Enviros Aspievali Enviros Heuse, Sitta Orive Shrawabury Business Park SHREWSBURY Envirocheck Order No. EC272022_1_1 Grid Reference 424670 323310

Non-coniferous Trees Coniferous Trees Rough Grassland Orchard Historical Map Legend X Telephone Line (where shown) Transmission
Line (with poles) Pylon Gravel Pit Electricity



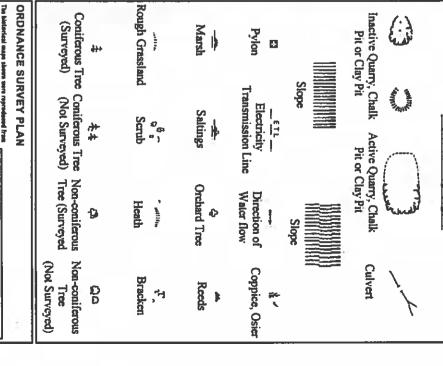








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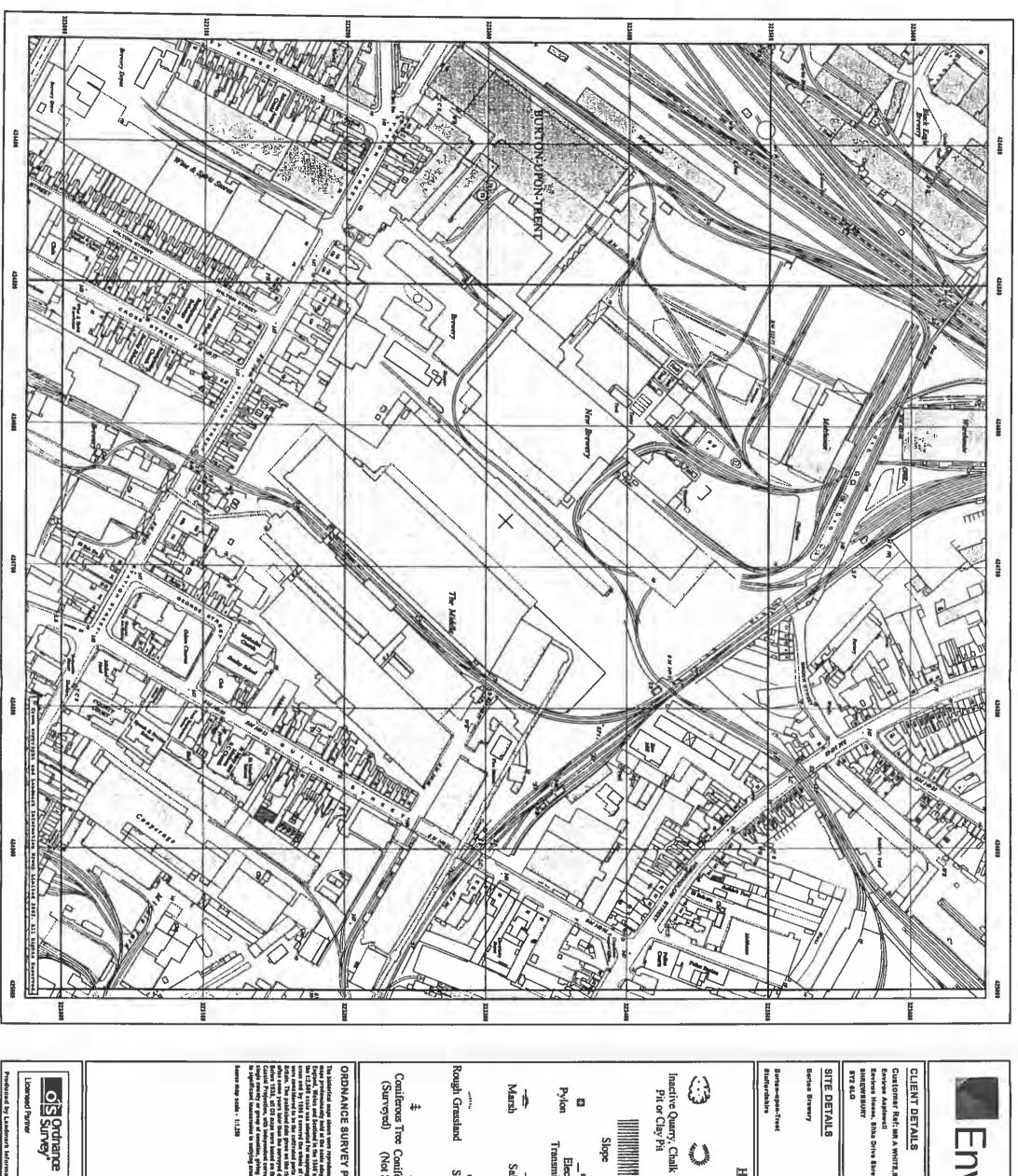
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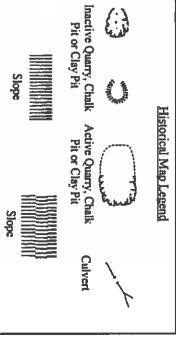
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Burten-apon-Treat Stafferdshire Customer Ref: MR A WHITE, BASE200878
Enviros Aspinwali
Enviros House, Sitts Drive Shrewsbury Business Park
SHREWSBURY SITE DETAILS Burton Brawery Historical Map Legend Grid Reference 424670 323310



Electricity
Transmission Line

Direction of Water flow

Coppice, Osier

Saltings

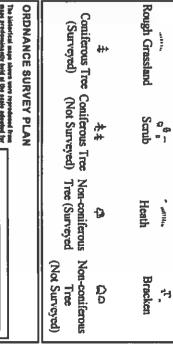
& Orchard Tree

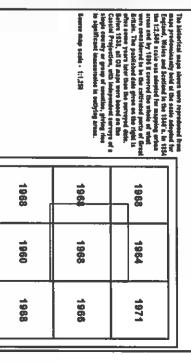
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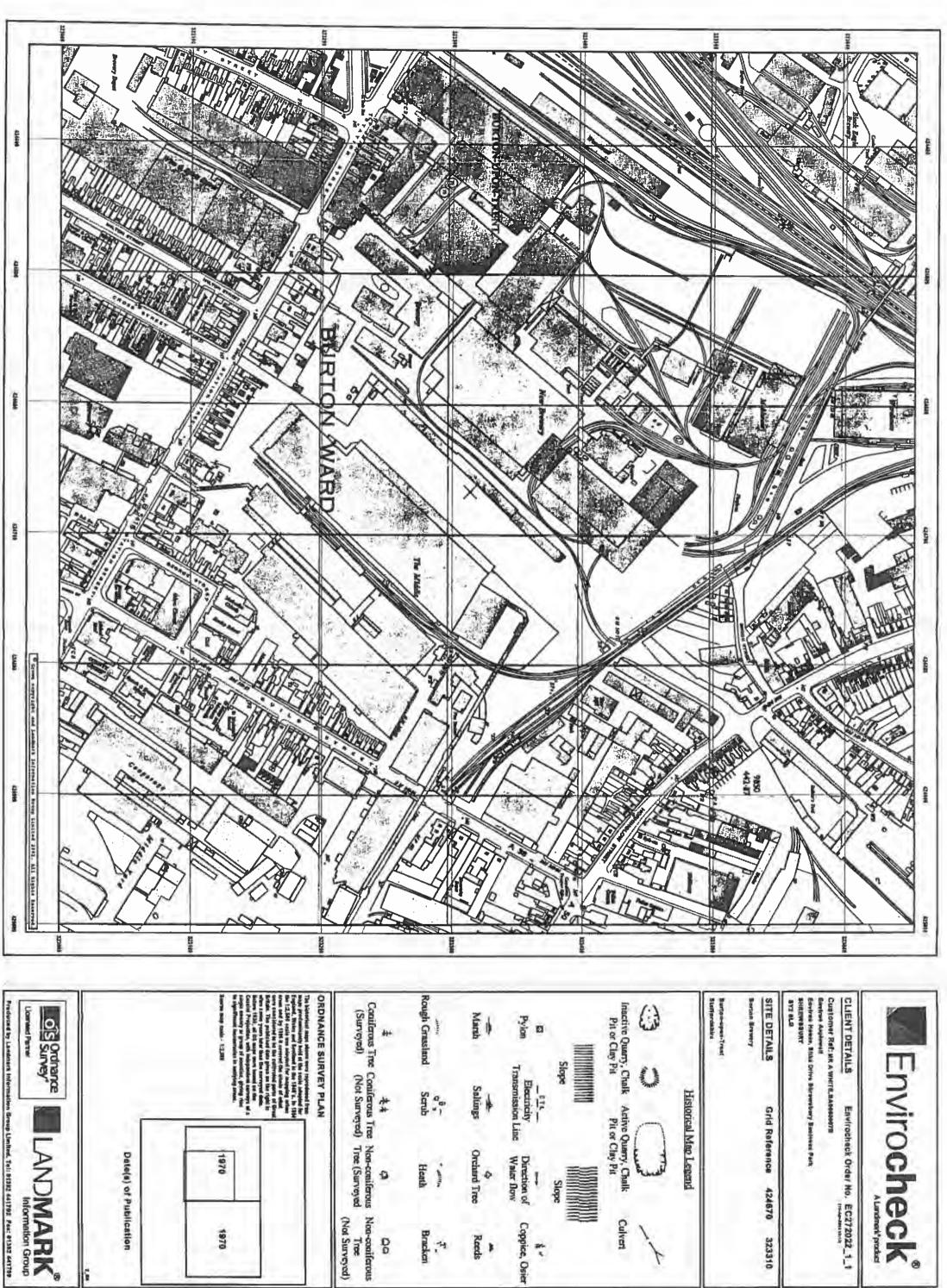






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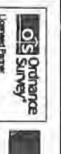
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ORDNANCE SURVEY PLAN Coniferous Tree Coniferous Tree Non-coniferous Non-coniferous (Surveyed) (Not Surveyed) Tree (Surveyed (Not Surveyed) Inactive Quarry, Chalk Active Quarry, Chalk
Pit or Clay Pit
Pit or Clay Pit Electricity
Transmission Line Sallings Scrub Orchard Tree Direction of Water flow Heath Culvert Coppice, Osier Bracken Reeds 1



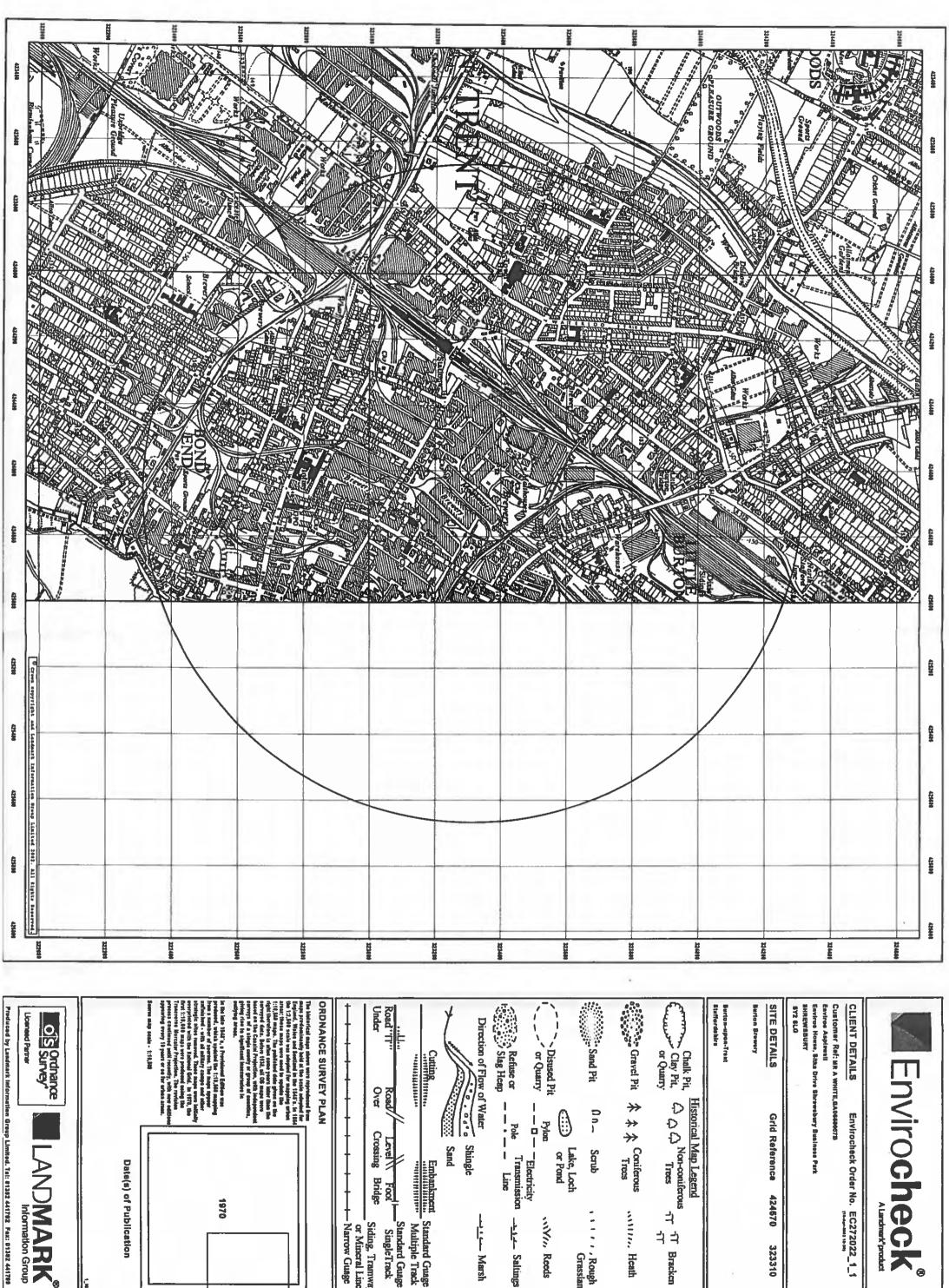


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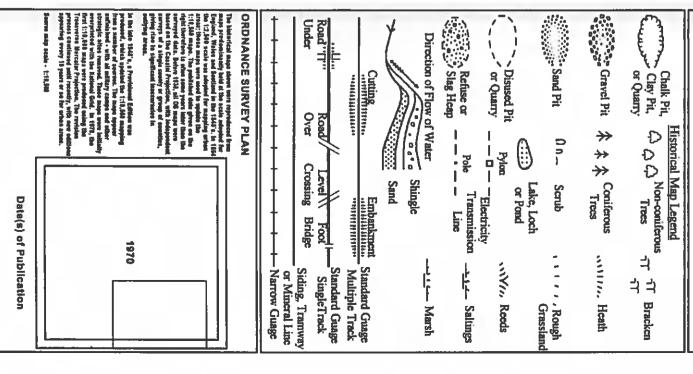
1970

1970





Chalk Pit, Clay Pit, Clay Pit, Chalk Pit, Clay Pit, Chalk Pit, Cha Enviroe Aspinesii Enviroe House, Sitta Drive Shrevebury Business Park SHREWSBURY Customer Ref: HR A WHITE, BANGGOOGTB Envirocheck Order No. EC272022_1_1 Grid Reference 424670 ैन गें Bracken ग 323310



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-10



Electricity
Transmission Line

Direction of Water flow

Coppice, Osier

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Saltings

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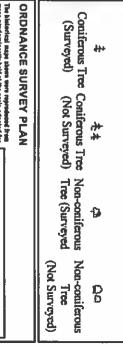
Scrub

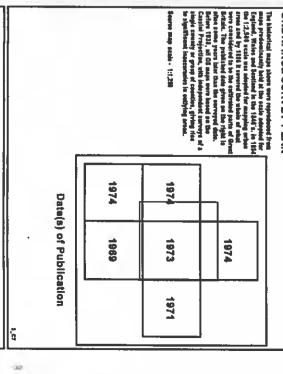
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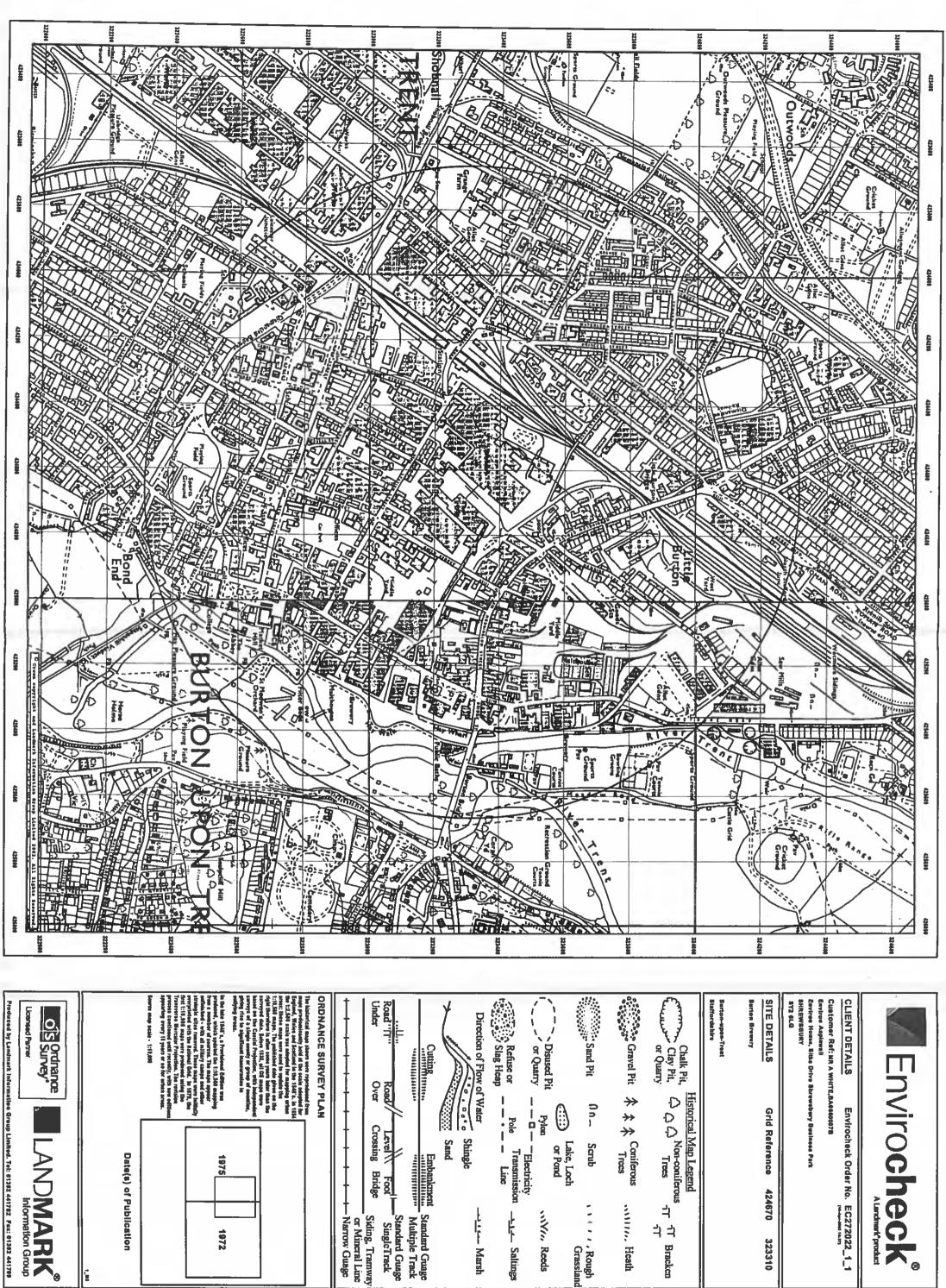
Customer Ref: MR A WHITE,BASSESSTS
Enviros Aspinesil
Enviros House, Sitts Drive Shrewebury Business Park
SHREWSBURY
EYZ 6LG Burton-upon-Trest Blaffordehire CLIENT DETAILS SITE DETAILS Burton Brewery Historical Map Legend Envirocheck Order No. EC272022_1_1 **Grid Reference** 424670 323310







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Clay Pit, or Quarry Refuse or Pole Transmission
Slag Heap — — — Line Sand Pit Gravel Pit Customer Ref: MR A WHITE,BASSECCOTS
Enviros Aspiewall Envirse House, Sitts Drive Shrewsbury Besiness Park SHREWSBURY Disused Pit or Quarry Direction of Flow of Water

Shingle or Mineral Line Cutting ...mimminum... Road ФФФ Non-coniferous
Træs Historical Map Legend —— — —— — Electricity * * * Coniferous
Trees 00-Lake, Loch or Pond Pylon Envirocheck Order No. EC272022_1_1 Grid Reference 424670 Crossing Bridge Level\\ Foot SingleTrack Sand Scrub Embankment Standard Guage Grassland नित्त Bracken नि Saltings Marsh ---WYW Roods 323310

OS Ordnance Survey

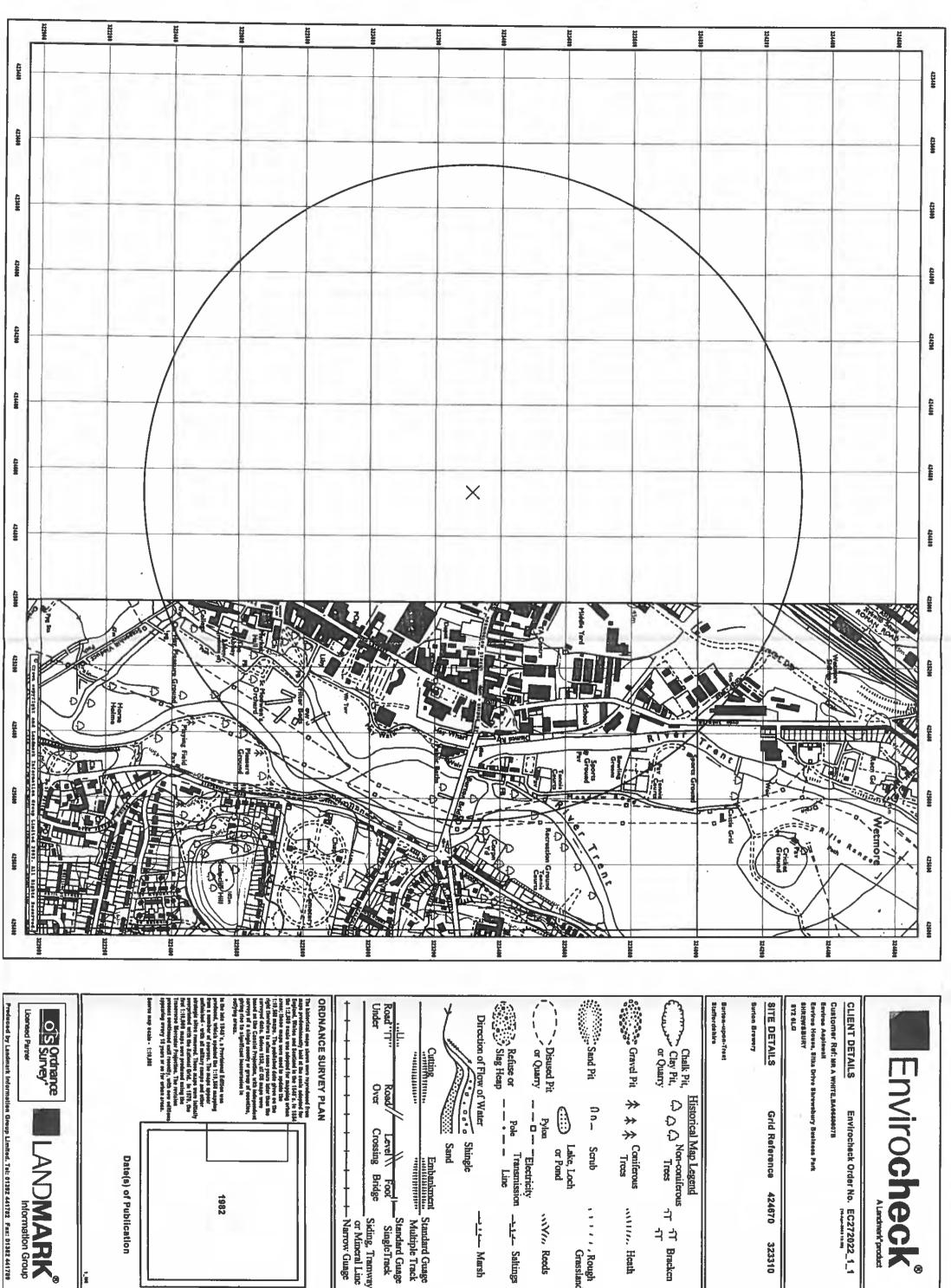


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1975

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SITE DETAILS	Grid Reference 424670 323310	424670	323310
Surion Brewery			

Scrub

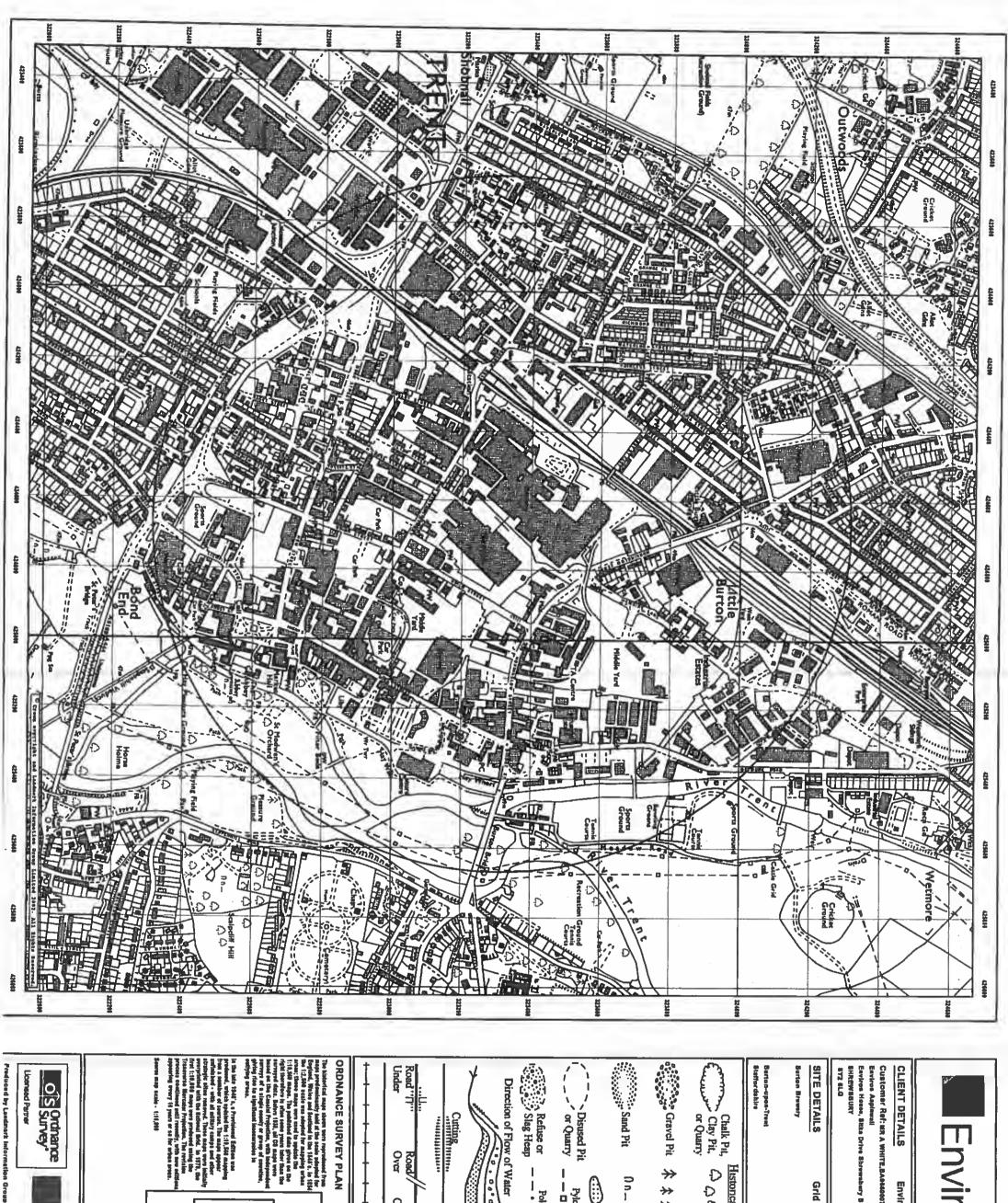
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Da		
Date(s) of Publication		
blication		Siding, Tramway or Mineral Line - Narrow Guage

LANDMARK®

Level \\ Foot SingleTrack
Crossing Bridge Siding Transmission

Embankment Standard Guage

------ Marsh





Envirocheck Order No. EC272022_1_1

Customer Ref: MR A WHITE, BASSESSOTS
Enviros Aspinesil
Enviros Hese, Skia Drive Shrewabery Business Park
SHREWSBURY
8YZ SLO Historical Map Legend Grid Reference 424670 323310

Gravel Pit A A A Coniferous Refuse or Pole Transmission _____ Saltings Disused Pit Direction of Flow of Water Shingle Ove СОО Non-coniferous Pylon —— Electricity 00-Lake, Loch or Pond Crossing Bridge Sand Scrub ng Bridge Siding, Tramway or Mineral Line Narrow Guage ंति भी Bracken भी , , , , , Rough Grassland 、ハソ/// Reads Marsh

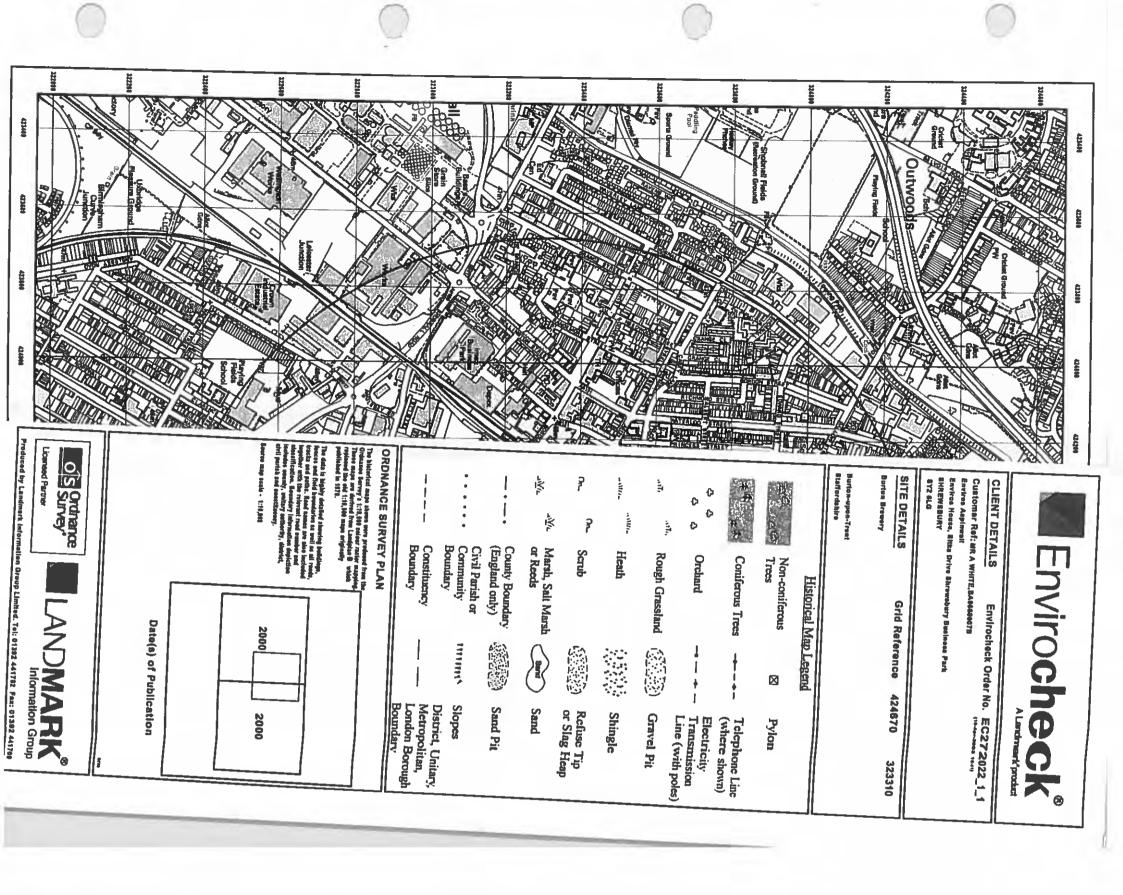




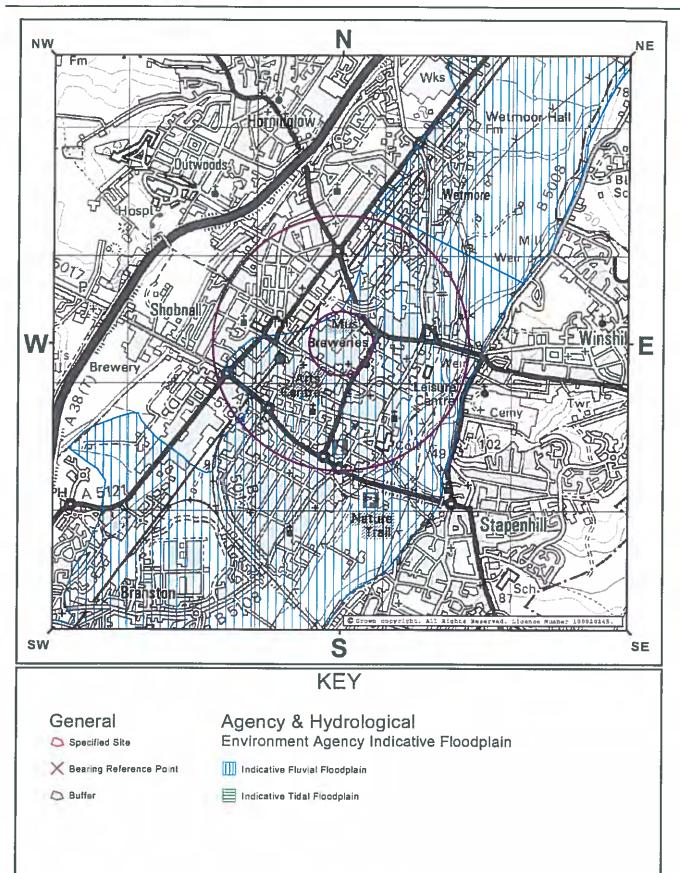
Date(s) of Publication

1991

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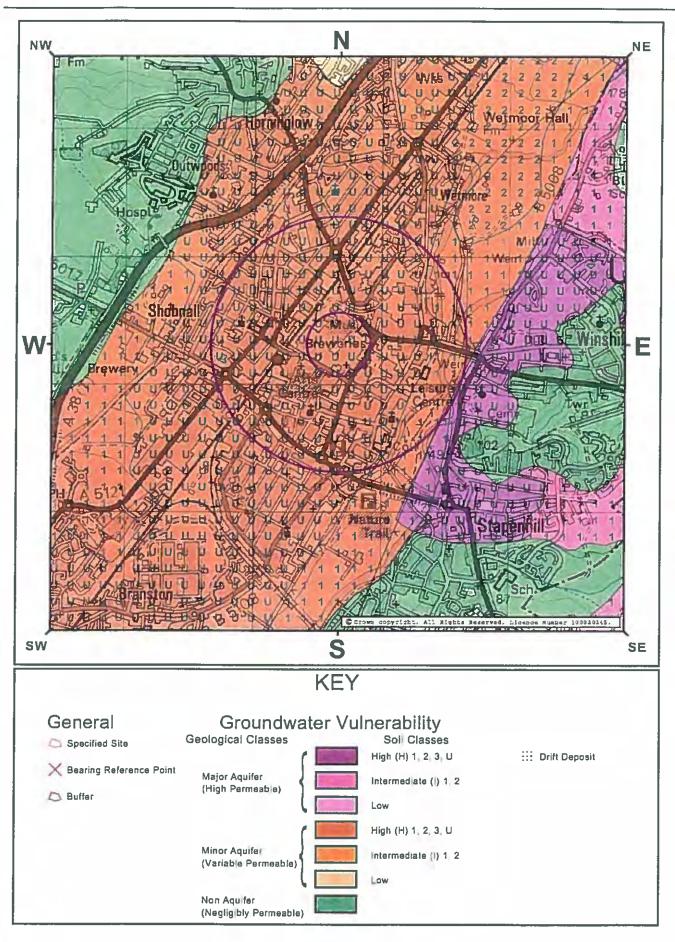




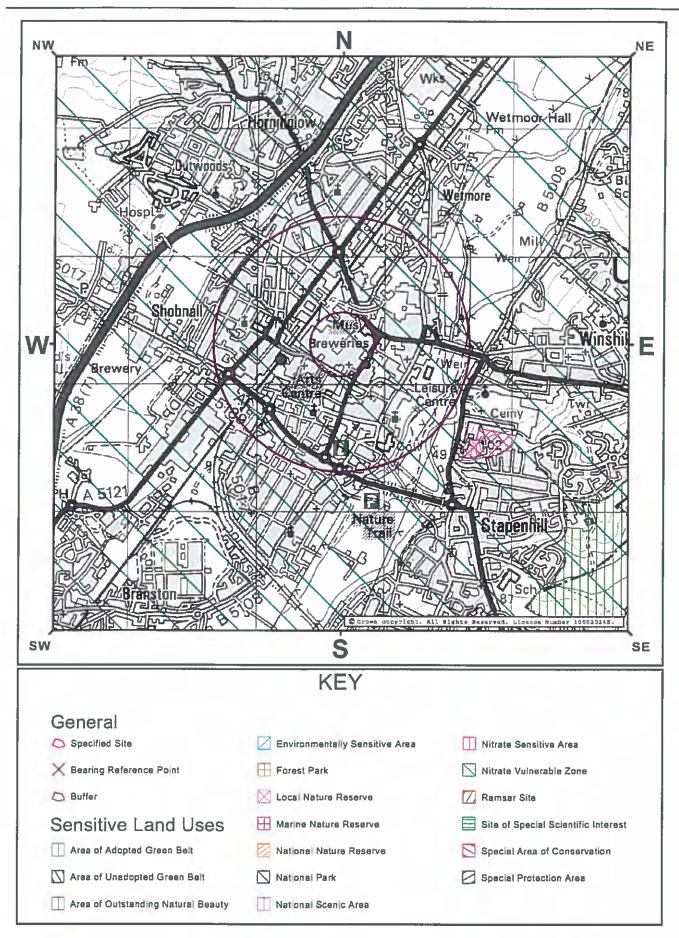


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Appendix B

Site Closure Plan

APPENDIX 11: SITE CLOSURE PLAN

De-commissioning

The position of the underground vessels, pipe work, culverts, watercourses, and the permeability of the underlying ground structures have been identified and documented.

Underground Structures

Table 1 below describes how each underground structure identified on the plan can be emptied and cleaned/decontaminated, and any other actions which would be needed for their safe decommissioning when the need arise.

Table 1: Underground Structures

Underground Structure	Contents	Actions for safe de- commissioning
Garden, Yard and Plough Wells. Station Street Tubes.	Water	Fill and cap in line with EA guidance for decommissioning wells.
Central Engine House and Waggoner's Well boreholes.	Water	Fill and cap in line with EA guidance for decommissioning boreholes.
Well water pipe work	Water	No action.
Mains water pipe work.	Water	No action.
Combined effluent drainage system.	Trade Effluent	Flush system with water. Fill drains at site boundary to prevent discharge.
Foul drainage system.	Trade Effluent	Flush system with water. Fill drains at site boundary to prevent discharge.
Surface water drainage system.	Surface Water	Flush system with water. Fill drains at site boundary to prevent discharge.
Cellars under North Brewery blending room	Process equipment and mains	Remove process equipment and mains. Fill cellar with hardcore and top with soil or concrete.
Redundant tunnel to ex CT offices.	Redundant process mains.	Remove mains. Fill pipe cellar with hardcore and top with soil or concrete.
North Brewery Malt Silos delivery cellar	Process equipment	Remove process equipment Fill cellar with hardcore and top with soil or concrete.

Underground Structure	Contents	Actions for safe de- commissioning		
South Brewery Malt Silos delivery cellar	Process equipment	Remove process equipment. Fill cellar with hardcore and top with soil or concrete.		
Boiler house cellars/sump areas.	Process equipment and mains	Remove process equipment and mains. Fill cellar with hardcore and top with soil or concrete.		
Ex fuel tank, middle yard garage.	Filled with "void fill".	None		
Generator houses oil pipe ducts.	Pipe work containing fuel oil.	Remove pipe work and mains. Fill ducts with soil or concrete		
Interceptor pits	Water, effluent, oil, and solids.	Remove vessels where possible and fill or fill.		
Effluent Flumes/Pits	Effluent	Remove process equipment. Fill with hardcore and top with soil or concrete.		
North Boilerhouse Gas Main	Natural Gas.	Purge with nitrogen.		

Over-ground Structures

Table 2 below describes how each over ground structures can be emptied and cleaned/decontaminated, and any other actions which would be needed for their safe decommissioning when the need arise.

Table 2: Over-ground Structures

Over-ground Structure	Contents	Actions for safe	
Malt silos and malt handling plant.	Malted barley.	Empty and clean.	
Brew house Vessels	Water, milled malt, wort	Empty and clean.	
Spent Grain Silos	Spent grains.	Empty and clean.	
Process vessels and mains.	Beer, yeast , additives etc	Empty and clean.	
Bulk storage tanks.	Oil, sugar, chemicals.	Empty. Dispose of waste appropriately and clean.	
Refrigeration equipment.	Primary refrigerant e.g. R22 and ammonia. Oil. Secondary refrigerant e.g. IMS.	Recover refrigerant. Drain oil. Drain and flush secondary refrigeration pipe work. Dispose of waste appropriately.	

Over-ground Structure	Contents	Actions for safe
Water treatment equipment.	RO membranes, ion exchange media and activated carbon	Empty and clean. Dispose of waste appropriately
Radioactive Sources.	Radioactive Sources.	Dispose of sources.
Air conditioning units	Primary refrigerant e.g. R22. Oil.	Recover refrigerant. Drain oil.
Natural gas supply	Natural gas.	Isolate supply. Vent and purge mains.
Electrical distribution	Electricity, SF6, Oil.	Isolate supply.
system		Recover SF6. Drain oil.
		Dispose of waste appropriately.
Oil containing equipment e.g. gear boxes, oil stores, waste oil tank.	Oil.	Drain and dispose of oil as special waste.
Asbestos containing equipment.	Asbestos.	Dispose of asbestos appropriately.

Lagoons

Not applicable. There are no lagoons within the installation.

Landfills

Not applicable. There are no landfills within the installation.

Testing Areas

Table 3 below describes the areas within the installation that would appear at this stage to be most important to carry out testing of the soil on closure.

Table 3: Testing Areas

Areas/locations for testing	Reason	
South boiler house oil storage tanks.	Possible Hydrocarbon contamination of	
North boiler house oil storage tanks.	underlying ground.	
No.1 Brewery standby generators oil storage tanks		
Middle Main Engine house standby generators oil storage tanks		
Can Lines 2 & 3 standby generators oil storage tanks		

Areas/locations for testing	Reason	
Diesel storage/waste oil tank area	Possible Hydrocarbon contamination of underlying ground.	
Ex fuel tank for middle yard garage	dridenying ground.	

Longer Term Studies

There are no longer term studies defined to establish how decommissioning could be carried out with the minimum risk to the environment.

Appendix C

Decommissioning Report July 2020

It was confirmed in 2017 that the Burton Brewery No.1 Brewery site would cease production at the end of the 2017 with the final brew being carried out in December 2017, this was due to the redevelopment of the Burton Brewery North site and increasing the brewing capacity in this area. The final brew occurred in December 2017 and the vast majority of personnel left site at the end of December 2017.

A project team of Molson Coors personnel remained on site for six months during 2018 to carry out decommissioning, isolating and making safe, from an environmental and safety viewpoint, all remaining equipment on site.

There was an internal asset transfer process and assets of use were offered to other Molson Coors sites. There was also a 3rd party managed asset auction and removal process which commenced in Q3 of 2018. The final fixed Molson Coors personnel left site at end of June 2018 at which point the site was deemed to be fully closed, with only small amounts of decommissioning activities outstanding.

This document details the decommissioning activities undertaken on the No.1 Brewery site including comments and photos of key areas and pieces of equipment showing the process followed to confirm site fully decommissioned.

All buildings remain on site, with electricity isolated at entrance to the site but not disconnected and water supplies remain live to service fire hydrants on the site. Site is deemed to be decommissioned with all pollution potential linked to its schedule 1 brewing activities removed and such ready for surrender of its Environmental Permit.

Brewing & Raw Materials				
Production Area	Cleaning requirement	Waste removal	Plant Shut down	Closure Status
Malt Intake and dry goods handling	All dry goods used in final brews. Oil from gearboxes drained down.	Spent grain disposed of through normal route. Any brewing waste disposed through effluent drainage systems. Waste oil disposed of through main site disposal routes.	Stop Malt deliveries	Malt intake pit run down to very lowest level and all material extracted into silos before final brew. Final Brew utilised all remaining materials in silos. Any small amounts of residual waste dust still coating the silos is of low mobility and low polluting potential nature.
Mash Filters	Equipment fully cip'd on completion of production activities. Oil drained from hydraulics system.	CIP discharged to effluent drainage as part of normal operations. Waste oil disposed of through main site waste routes.	Isolate and disable power to panels.	Mash filters CIP'd after last use. Electrical supply fully isolated to the site. Oil Drained from Hydraulic Pack.
Mash Filter Area	Drain Oil from positive displacement pump gearboxes.	Waste oil disposed of through main site waste routes.	Isolate and disable power to panels.	Electrical supply fully isolated to the site. Oil Drained from positive displacement pump gearboxes.
Mash Filter CIP Set	Phosphoric acid lines flushed by specialist contractor. Caustic delivery pipework flushed as part of tankhouse activities.	Waste chemical supplies disposed of through main site routes. CIP set drained to site effluent drainage as per normal operation.	Isolate services to CIP set.	IBC of Phosphoric acid removed for re-use on main site. CIP set drained down.

Mash Conversion Vessel (On completion of the final Brew)	Carry out full cip of the MCV & pipework. Oil Drained from hydraulics system	CIP discharged to effluent drainage as part of normal operations. Waste oil disposed of through main site waste routes.	Isolate and disable power to the control panel for the MCV.	Mash conversion vessel CIP'ed after last use. Steam supply isolated (Boilerhouse decommissioned). Electrical supply fully isolated to the site. Oil Drained from Hydraulic Pack.
Underback (On completion of the final Brew)	Carry out full cip of the Underback & pipework.	N/A	Isolate and disable power to the control panels for the Underback and lock off.	Underback CIP'ed after last use. Steam supply isolated (Boilerhouse decommissioned). Electrical supply fully isolated to the site.

Copper (On completion of the final Brew).	Carry out full CIP of the Copper & pipework.	N/A	Isolate and disable power to the control panels for the Copper and lock off.	Copper CIP'ed after last use. Steam supply isolated (Boilerhouse decommissioned).
External Wort Boiler.	Carry out full CIP of the Copper & pipework.	N/A	Isolate and disable services.	External Wort Boiler has been removed as part of the asset sale process.
Vapour Heat Recovery System	Drain down stored water within systems.	N/A	Disconnect from systems.	All associated equipment has been removed from site as part of asset sale process.
Wort Copper Additions Caramel (On completion of the final Brew).	Carry out full cip of the Caramel Tank & pipework.	Remove any left over Caramel for disposal of via main site waste streams.	Isolate and disable.	Tank drained and cleaned.

		T	1	T
Whirlpool	Carry out full cip of the	Oil disposed of	Isolate and disable	Whirlpool and pipework cleaned and flushed using normal CIP routine to
(On completion of	Whirlpool & pipework.	through main site	power to the	trade effluent.
the final Brew)	Drain oil from gearbox	disposal routes.	control cabinets for	Vessels left open and pipework isolated.
	of associated positive		the Whirlpool and	All electrics isolated in main brewhouse panel.
	displacement pump.		lock off	The state of the s
Trub Tank	Carry out full cip of the	Oil disposed of	Isolate and disable	Trub tank and pipework cleaned and flushed using normal CIP routine to
(On completion of	Trub Tank & pipework.	through main site	power	trade effluent.
the final Brew)	Drain oil from gearbox	disposal routes.	To the control	Vessels left open and pipework isolated.
,	of associated positive		cabinets for the	Steam supply isolated (Boilerhouse decommissioned).
	displacement pump.		Trub tank and lock	Electrical supply fully isolated to the site.
			off	The deposition from the deposition of the deposi

Wort Chiller	Drain down glycol	Dispose of waste	Isolate and Drain	All glycol drained from system and disposed of through waste contractor.
Removal of Glycol	from the system.	via group waste	Chillers	
		contractor		
Brewhouse CIP Set	Bulk Caustic supply	CIP set dumped to	Isolate and disable	CIP set used to provide final CIP's to equipment before being water
(On completion of	pipework from tank	site effluent	power	flushed to remove any residue and discharged to trade effluent.
the final clean)	house flushed through	system as normal	to the control	Set drained and isolated.
	by specialist	operational	panels for the CIP	
	contractor.	procedures.	Set and lock off.	
Sugar Tanks	Tanks cleaned to	CIP'ing of tanks to	Isolate and disable	Sugar stocks fully used in final brews.
(On completion of	remove any residual	be discharged to	power to the	Tanks cleaned and flushed using CIP routine to trade effluent.
the final Brew)	sugars.	effluent drainage	control panels for	Tanks isolated.
		as part of normal	the Sugar Tanks and	
		operations. All	lock off	
		sugar used in final		
		brews.		
Spent Grains Silo	Flush silo after final	Spent grain	Isolate and disable	Silo was rinsed after last load of spent grain removed.
On completion of	grains collection.	disposed of	power to control	Any residual grain will be well dried out and adhered to vessel sides, very
the final Brew)	Drain oil from	through normal	panels for the Spent	low polluting potential.
·	discharge motor	routes.	Grains Silos	Oil drained from discharge motor.
	Pump out spent grain	Waste oil disposed		Spent grain interceptor pit drained down and gratings made secure to
	interceptor pit.	of via main site		prevent them being lifted.
		disposal routes.		
Lauter Tun	This vessel has been	N/A	Isolate and disable	Lauter tun, spent grain tanks and associated pipework were cleaned and
	redundant for a		power to the	flushed through normal CIP routine to trade effluent.
	number of years.		control panels	All systems isolated through brewhouse control panel.
CIP Centre CIP Sets	Bulk Caustic and acid	CIP sets all drained	Isolate and disable	CIP set used to provide final CIP's to equipment before being water
	supply pipework from	to site effluent	power. Bulk	flushed to remove any residue and discharged to trade effluent.
	tank house flushed	drainage system as	chemical supplies	Set drained and isolated
	through by specialist	per normal site	thoroughly rinsed	

	contractor.	operations. All bulk chemicals disposed of via main site disposal routes.	by specialist contractor.	
Brewhouse Water Storage Tanks (on roof)	Drain down	Drain down to site effluent system.	Isolate supply to tanks. (fed from main brewery site via pipe bridge which has been demolished).	Tanks drained down and supplies disconnected.

	Fermentation, Yea	st Room & Additions		
Production Area	Cleaning requirement	Waste removal	Plant Shut down	Closure Status
Fermenting Vessels (On completion of the final Batch)	Carry out full CIP of the Fermenting vessels & pipework.	N/A	Isolate and disconnect FV from main site	All vessels and pipework cleaned and flushed using normal CIP routine to trade effluent. Vessels left open and pipework isolated. Coolant pipework (Glycol) drained down and disposed off via Veolia.
Fermenting Vessels Removal of dilute mono-propylene glycol from Cooling Jackets & pipework	Removal of dilute mono-propylene glycol from jackets and pipework	Dispose of waste via group waste contractor	Isolate and Drain Jackets and pipework.	All glycol drained from main system and disposed of through waste contractor.
Fermenting Area Positive Displacement Pumps	Drain down oil from gearboxes of positive displacement pumps.	Oil to be disposed of through main brewery normal disposal routes.	Pumps disconnected and isolated	Oil drained from Pump Gearboxes. Pumps have been removed as part of asset sale process.
Green Beer Centrifuges (On completion of the final Batch)	Carry out full CIP of the GBC & pipework. Drain down oil	CIP disposed through effluent drainage in accordance with normal operations. Oil disposed of via main site normal disposal route.	Isolate and disable power to the control panels for the GBC and lock off	Centrifuge and pipework cleaned and flushed using CIP to effluent drainage. Centrifuge fully isolated. Oil drained from equipment. Centrifuges have been removed from site as part of the asset sale processes.

Centrifuge IBT Vessel (on completion of final batch)	Carry out full CIP of the Centrifuge, associated vessels and pipework.	N/A	Isolate and disable power to the control panel and lock off.	All vessels and pipework cleaned and flushed using normal CIP routine to trade effluent.
Centrifuge OBT Vessel (on completion of final batch)	Carry out full CIP of the Centrifuge, associated vessels and pipework.	N/A	Isolate and disable power to the control panel and lock off.	All vessels and pipework cleaned and flushed using normal CIP routine to trade effluent.
Waste Yeast Tank 30 & 31 (On completion of the final Batch)	Carry out full cip of the Surplus Yeast vessels & pipework. Oil to be drained down from agitator gearbox.	Left over yeast disposed of through normal coproduct disposal route. Oil disposed of via main brewery site normal routes.	Isolate and disable power to the control panel for the vessel and lock off	All vessels and pipework cleaned and flushed using normal CIP routine to trade effluent. Vessels left open and pipework isolated. Agitator gearboxes drained of oil. Mono-propylene Glycol secondary refrigerant to the vessel has been drained down.`

				The Production Pear Note Over Date States 1972 Production Product
Yeast Area Positive	CIP'd following last	Oil disposed of via	Isolate and disconnect	Gearboxes drained of oil.
Displacement Pumps	use. Oil drained	main brewery site	from systems.	Pumps removed from site as part of asset transfer and asset sale
	from positive displacement pump	normal disposal routes.		processes.
	gearboxes.	Toutes.		
Yeast Collection Vessels 1 to 13	Carry out full cip of the vessels & pipework.	Oil disposed of via main brewery site normal routes.	Isolate and disable power to the control panel and lock off.	Vessels and pipework cleaned and flushed using normal CIP routine to trade effluent. Vessels left open and pipework isolated.
	Oil to be drained	Dispose of coolant	paner and lock on.	Coolant pipework drained down.
	down from agitator gearboxes.	via waste contractor.		Vessels have since been removed as part of asset removal process.
Yeast Room CIP Set	Bulk Caustic and acid	CIP sets drained to	Isolate and disable	CIP set used to provide final CIP's to equipment before being water
(Sets 4V & 4M)	supply pipework	effluent drainage	power. Bulk chemical	flushed to remove any residue and discharged to trade effluent.

(On completion of	from tank house	system as normal	supplies thoroughly	Set drained and isolated
the final Clean)	flushed through by	operation (These	rinsed by specialist	
	specialist contractor.	sets are one shot	contractor.	
		and fully drain on		
		each clean).		
		All bulk chemicals		
		disposed of via		
		main site disposal		
		routes.		

	Additions Are	a & COSHH Store		
Production Area	Cleaning	Waste removal	Plant Shut down	Closure Status
	requirement			
Tetralone Tanks 1 &	Carry out full CIP of	Any left-over	Isolate and disconnect	All vessels and pipework cleaned and flushed using normal CIP routine
2	the vessel &	material to be	power supplies and	to effluent.
	pipework.	removed and	from Mains	Vessels left open and pipework isolated.
		residual CIP liquids		Vessels have been removed as part of asset removal process.
		to be disposed off via effluent system.		The state of the s
Caramel Dosing Pot	Carry out full CIP of	Any left-over	Isolate and disconnect	All vessels and pipework cleaned and flushed using normal CIP routine
	the vessel &	material to be	power supplies and	to effluent.
	pipework.	removed and	from Mains	Vessels left open and pipework isolated.
		residual CIP liquids		Vessel has been removed as part of asset removal process.
		to be disposed off		
		via effluent system.		

				The Policy of th
Waste Yeast Tanks 1 & 2	Carry out full cip of the Surplus Yeast vessels & pipework.	Any left over yeast pumped out through normal coproduct disposal route	Isolate and disable power to the control panel for the vessel and lock off	All vessels and pipework cleaned and flushed using normal CIP routine to trade effluent. Vessels left open and pipework isolated. Mono-propylene Glycol secondary refrigerant to the vessel has been drained down.
Deaerated Liquor Tanks 1 & 2	Carry out full CIP of the vessel & pipework.	Any residual liquids to be dispose of via site effluent system.	Isolate and disable power to the control panel for the vessel and lock of.	All vessels and pipework cleaned and flushed using normal CIP routine to trade effluent. Vessels left open and pipework isolated.

				The state of the s
Fructose Tanks 1 & 2	Vessels have been redundant for number of years.	N/A	Isolate and disable power to the control panel for the vessel and lock of.	Vessel has been removed as part of the asset removal process.
SF Tanks 1 & 2	Vessels have been redundant for number of years.	N/A	Isolate and disable power to the control panel for the vessel and lock of.	Vessel has been removed as part of the asset removal process.
Old Bass Tank	Vessel has been redundant for number of years.	N/A	Isolate and disable power to the control panel for the vessel and lock of.	Vessel fully cleaned.

Additions Area Verderflex and Positive	Drain down of glycol refrigeration from system and CIP of product pipework following final production run. CIP'd following last use. Oil drained from pumps.	Glycol to be collected via bulk tank and disposed of via waste contractor Oil disposed of via main brewery site normal disposal	All services isolated to system Isolate and disconnect from systems.	Glycol refrigerant removed and equipment CIP'd. Pumps removed from site as part of asset transfer and asset sale processes.
Displacement Pumps COSHH Store	All stored materials relocated to the main brewery site. Bunds relocated to main brewery site for re-use.	routes. N/A	N/A	All materials relocated to the main brewery site.
Utility supplies from main site (Treated water, compressed air, nitrogen, glycol and transfer mains)	All supplies disconnected as enabling work for the demolition of the pipe bridge.	All materials removed as part of the demolition of the road bridge	All systems isolated on the main site.	All systems isolated on main site

	Site	Utilities		
Production Area	Cleaning requirement	Waste removal	Plant Shut down	Closure Status
Silo Block Refrigeration Systems (Star & APV)	Clean Refrigeration area	Ammonia to be degassed and oils removed from compressors using specialist engineers	Isolate and disable power to the control cabinet for the Refrigeration Plant and lock off. Disconnect electrical supplies.	Ammonia was degassed through original system installers GEA Grenco and ammonia disposed of through AAA. All refrigeration plant, including compressors, Surge Drum and all system panels have been relocated to another brewery. Glycol distribution pipework all drained bulk tank and pipework Signature Or COMPITION AN HARDON WINES CONSISTENCY HARDON STATES AND
Refrigeration Cooling towers (Star & APV)	Flush cooling Towers when Drained	Flush and drained water via normal drainage route	Isolate and disable power To the Cooling Towers	All equipment drained down and isolated. Two cooling towers removed from site as part of asset sale process.

Refrigeration Cooling	Remove dosing	Chemicals removed	Isolate and disable	Dosing systems fully disconnected and removed from system.
towers Legionella	chemicals. Clean	to main site.	power to the Cooling	
Dosing unit	area.		Towers dosing unit	
Grenco refrigeration	Clean Refrigeration	Ammonia to be	Isolate and disable	Ammonia was degassed through original system installers GEA Grenco
plant room	area	degassed and oils	power to the control	and ammonia disposed of through AAA.
		removed from	cabinet for the	All refrigeration plant, including compressors, Surge Drum and all
		compressors using specialist engineers	Refrigeration Plant and lock off.	system panels have been relocated to another brewery.
			Disconnect electrical supplies.	Glycol distribution pipework was all drained back via the bulk tank Section Secti
Refrigeration Cooling	Adiabatic cooling	N/A	Isolate and disable	Ammonia refrigerant gases removed from the system by specialist
towers (Grenco)	towers (no water		power to the Cooling	contractor for disposal.
	storage in them).		Towers	
	Dosing system			
	chemical removal.			

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Removal of glycol from storage tanks and pipework	removal of glycol (secondary refrigerant Dilute Solution)	Glycol to be collected via bulk tank and disposed of via waste contractor	Isolate and drain bulk glycol and header vessel and pipework, including jackets on vessels.	Glycol drained at low points in systems, into IBC's and then collected for disposal by 3 rd party waste disposal contractor.
Site Air conditioning units	Removal of refrigerant gases.	Removal of refrigerant gases carried out by specialist engineers	Isolate and disable power	Refrigerant gases were removed from all air conditioning units by 3 rd party specialist provider GEA Refrigeration Ltd. Entire site electrical system isolated.
Boiler house Shut down of boilers after the finish of all production activity	Blow down boiler pressures and vent boiler. Drain boilers & Hot Wells.	Blow down water and hot well water fully cooled and disposed of via normal effluent drainage route.	Isolate and disconnect Boilers from Mains	All pipework, hot wells and boilers drained to effluent. All boilers have been sold as part of the asset sale process and have been removed from the site.
Boiler house Chemical Dosing	Dosing chemicals removed from the system. Clean area on completion of plant removals.	Chemical removed from system and disposed of via main site.	Isolate and disable power to the Dosing unit.	All dosing equipment isolated.

Boiler House Salt Tank	All salt removed from tank, the tank was de-constructed to allow full removal of the salt.	Salt disposed of via main site disposal route	Tank has been substantially de-constructed with only lower part remaining.	Lower section of tank remaining in situ.
Fuel Supplies to the Boiler House	Clean Oil Storage Bunds area, storage tanks and fuel oil distribution pipework.	Dispose of left over and waste fuel oils through specialist company (fuel sold on for re-use through specialist contractor)	Isolate and disconnect Fuel Tanks.	All remaining extractable fuel was sold to Oil Salvage. All fuel tanks and pipework were drained and cleaned by 3 rd party specialist and checked on completion
Gas Supply To The Boiler house	Clean area on completion of plant removals.	Dispose of waste or Scrap metals via group waste contractor	Isolate and disconnect Gas at main incoming point with Gas Supplying Company and lock off. Purge gas mains	Gas supply to site has been isolated in location of gas metering compound to appropriate standards. All gas pipework has been purged. Gas meter installation has been returned to supplier. Gas meter compound has been left segregated with Heras fencing.

Domestic Gas Supply to CTS Store	N/A	N/A	Isolate and disconnect Gas at main incoming point with Gas Supplying Company and lock off. Purge gas mains	Gas supply to site has been isolated and gas meter removed by supplier.

Production Area	Cleaning requirement	Waste removal	Plant Shut down	Closure Status
Water Treatment plant (De-commissioned, cleaned and marked redundant circa 2011 as part of site water project) Treated water supplied from main Brewery site via pipebridge.	All associated equipment drained down and cleaned.	All materials were disposed of during decommissioning by specialist contractors	Isolate and disconnect water treatment plant and lock off,	All vessels were flushed and drained post use. Tanks were cleaned by 3 rd party specialist.
Air Compressors	Oil to be removed	Oil disposed via main brewery waste disposal streams.	Equipment isolated and disconnected. (this system has been redundant for a number of years as compressed air provided from main brewery site via pipebridge)	Equipment isolated and oil drained.
Water Storage (Tank House)	All systems drained down	Systems drained to effluent drainage system.	N/A	All tanks drained, services to vessels isolated.
Bulk Sulphuric Acid (De-commissioned and cleaned out circa 2011 as part of site water project)	Tank cleaned out by specialist contractor.	Disposed of via specialist contractor who carried out task	Isolate and disconnect Acid Tank.	Tanks were cleaned through 3 rd party specialist provider circa 2011.

Bulk Caustic	Clean Caustic	Dispose of left	Isolate and disconnect Caustic	Caustic stocks were run to minimal levels prior to site closure
	Storage Bund area	over Caustic	Tanks.	and all residual caustic used in final CIP's of vessels and
	and storage tank	through specialist		pipework.
		company		Caustic system was further rinsed through multiple times over
				to remove residue and rinse water confirmed to be pH neutral. Certificate of Test Certifica
Phosphoric Acid	Flush, clean tank	Dispose of waste	Isolate, disconnect, drain down and	Phosphoric acid tank drained and cleaned together with
Tanks	and pipework.	through normal	flush tanks & pipework	distribution pipework and rinse water confirmed to be pH
		main site disposal		neutral.
		route		Certificate of Test was formulation of the Continue of the Co
Hypochlorite Tank	Flush, clean tank	Dispose of waste	Isolate, disconnect, drain down and	Hypochlorite tank drained and cleaned together with
	and pipework.	through normal	flush tanks & pipework	distribution pipework and rinse water confirmed to be pH
		main site disposal		neutral.
		route		Certificate of Test When the state of the s

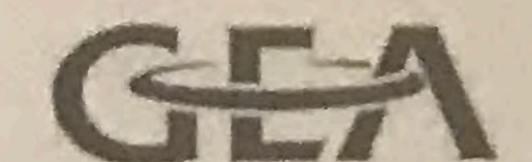
Vent Tanks after	Minimal	Isolate and disconnect O ₂ Tank.	O ₂ stocks run to absolute minimal as final production.
		isolate and disconnect of rank.	All O ₂ equipment, including bulk tank, removed as equipment
	•		owned by supplier.
gas	*		owned by supplier.
			and the same of th
	of tank.		
Removal of left	Waste chemicals	IBC bulk supplies to the system	IBC's of chemicals were removed to the main brewery site for
	•		re-use in other systems.
•		•	Small tanks were cleaned by 3 rd party specialist provider,
•	streams	_	through main site procedures.
contractor.			
		site procedures.	
	Bulk Collection of gas	Bulk Collection of gas quantities of O2 left in tank, which was vented off prior to removal of tank. Removal of left over chemicals in the small tanks by specialist quantities of O2 left in tank, which was vented off prior to removal of tank. Waste chemicals disposed of via main site waste streams	Bulk Collection of gas quantities of O2 left in tank, which was vented off prior to removal of tank. Removal of left over chemicals in the small tanks by specialist Waste chemicals disposed of via main site waste streams IBC bulk supplies to the system were disconnected and removed to main brewery site for re-use. Small tanks were drained and cleaned by

Summary

The information provided in this document confirms that decommissioning activities have all been completed and polluting potential removed from each of the key environmental aspects linked to the schedule 1 brewing activities on the No.1 Brewery Site.

Appendix D

Waste Duty of Care Documentation and Transfer Note



Decommissioning Certificate

AAA Hazardous Waste Consignment Note
1668443 9: 56008

The Hazardous W Consignment Not		Reg	ula								ANGEL .	vironment
		3/47		ent a development with	PRODUCI	er's/H	OLDE	R'S/CO	NSIGNO	R'S CO	PY (Dele	te as appropriate)
PARTA Notification deta	iils -		लेक्									
1 Consignment note code:	104	30	N	11/6/1	1811	3 The			n to (name, z			e):
2 The waste described below	is to be re	movec							MARO.		70	
postcode, telephone, e-mai	il, facsimil	e):					400	nery:	UNTHE	•	453	70
STATION ROAL	>	LICY	Ca) ye chopping	une en		waste i	elephone	is (If different mail, facsh	t from 2)	(name, add	ress,
BURTUN AN TR	ent									,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	1418		da territo				and the same of th	i				
PART B Description of the	ie waste											
1 The process giving dee to the	re waste(s) was:	CL	osues of	PLANT?	SIC (2007)	for the	process giv	ing rise to th	e waste:	1642	3/9/1
3 WASTE DETAILS (where mor	e than one	e wash	e typ	e is collected at	tof the inform	nation giv	en belov	r must be c	ompleted for	each EW	/C Identified	ŋ
Description of waste	List of w			Quantity (kg)	The chemic			ponents in			Hazard	Container
		· copposition	u.g.c	ings.	Componen		Conce	ntration	(gas, liquid powder, si		code(s)	type, number and size
DAVIDORNIC BRANCH	111		1					mg/kg)	or mixed)			
ANUVOROUS AMMONIA	16	0 5	0	42100	-		100	0/0:	LIQU	10	46	
77-1-5-5												
The information given below i	ntification			shipping name(UN clas	clack	Packing g	munic)	Carelal	handling	
numbe		-	oper.	acapping names		Ola Ciera	3(0)	rationg g	iodh(s)	require		
160504 10	005	BA	UNY	prous An	MONIA	27	7	Mor	E	_	-	
PERCENT AND DESCRIPTION OF THE						EN STATEMENT						
PART C Carrier's centille	A ALLEGE STREET, STREE	Participation.				All the second s				*		
Of more than one carrier is use carriers is attached tick here.	od, ptease	attach	sch	edde for subse	queat carrier	s. If sched	tule of	I certify that	the informa	that th	B and Cho	registered or
I centify that I today collected to	he consign	nment	and i	that the details	in A2, A3 and	B3 are		exempt and	l was advise All of the wa	d of the a	pomoriate	precautionary
Where this note comprises part						ction numi		correctly an	d the carrier quirements.	has been	n advised o	any special
				1			1	I confirm th	at I have fulf	illed my t	iuty to apply	the waste
1 Carrier name: DAUE	MARSH	ALL						(England en	required by id Wales) Re	gulations	2011.	
On behalf of (name, address									rname: /			
HUNSTANTON 1	アグラム	20 pm	9	RINGST				on behall of facsimile):	r (name, add	iress, pos	stcode, tele	phone, e-mall,
2 Carrier registration no./reas	on for exer	notion	: C	B/BM :	3784	UR		GEA	REFRI	FRA	57042	SERCETO!
3 Vehicle registration no. (or n	ode of tra	nsport	, If n	ot roath:	C2 K21				1	M		
Signature Delle					o a car			Signature		Tel		
Date 18/1/18	Ti	me /	6	30				Date / S	1/1/18	>	Time	1630
PARTIE Consigned & certi	-		-								2 cm² cm²n	
Individual EWC Quantity o	Feach EWO	Code	recei	ived (kg)		VC code cepted/re	letted	Wastemai	nagement of	peration (R or D cade	
16000			-		9	300			010			
HATT									1			
				I Posto CV/2	1.5		Time		a			
1 I received this waste at the at					110			MAIR	B.13	The same		-
2 Vehicle registration no. (or mi	ode of tran	sport i	rnot	man):	62 E	324	0	n behalf of	(name, addn			one, e-mall,
3 Where waste is rejected pleas	e provide	details	in .				fa	csimile);				
								2	S F	75 4		
I centify that waste permit/exemp	ot waste of	peratio	n nu	mber:				T				
authorises the management of the	D. L.	pscylh	ert in	B at the address	S			BU A	#3			
given in A3.							SI	gnature &				
Where the consignment forms pa as identified in Part C, I certify the	at the total	number	erof	non,			-[Date 81	2/18		Time	1249



				F110 Rev 2 - 20th November 2015
	Work Site Instruction	ons		
Environmental Services	17/41	2018		9959
Nork Site		Vehicle		Men On Site
MOISON COORS (LIK)	HOLDINGS:	AF16 OCX	VAN	
STATION ST				T. UNSWARTH
BURTON UPON -TO	LENT			A. UNSWARTH
DE14 1BG Contact:		Pick Up/Outlet:		
Phone:		Amount of Waste(a	nnrov):	
Sub-Contractors:			ved at Site:	
Time Start at Depot:	05-00	Time Left		08.00
Time Arrived at Depot: Total Time Travelling:	LUDC	Hours on		1400
Tanker Information:				6
Tank Size:				Shape:
Location:				Tank ID:
Contents:				
Qty:				
Hazards:		Hazche	em:	
UN No.:		Access		
Manhole:		Conne	ctor:	
Job Instruction:				
Feely 1-B-C5			-10 5	u62 waste
PLANT ON N	ORTH SUBB			
Job Summary, including ar	rival/loading/finish tim	nes:		
	SOB COM		Dillec	TED AND TO
CUSTOMORS S	ATTSFACTIO	1		
		ish been complete	ed to my satisfac	etion, the site has been left clean and tidy and the ervisor or phone the office direct- we value your
Customer declaration- by signing times stated are correct. (N.B If the job has not been comfeedback and will formally invest	-lated to your satisfaction il	n any way please illion.	he Ancorra Supe	ervisor or phone the office direct- we value your
Signed:		Date	1//	4/2018
0.9.00.	FULL P.P.E.	REQUIRED AT ALL	WORKING	TIMES
	CHECKE	BARREL AFTER EA	CH DISPOS	AL

##CFG Duty of Care ##

CASTLE ENVIRONMENTAL

Castle Waste Services Ltd, Crompton Road, Ilkeston, Derbyshire, DE7 4BG Telephone: 0115 944 2994, Fax: 0115 9443010

Castle Oils Ltd, Chemical Lane, Longport, Stoke-on-Trent, Staffs, ST6 4PB
Telephone: 01782 577422 Fav. 01792 920420

W.S. Ref. No	30507b0318AM3		elephone: 01782 57742	22, Fax: 01782 83943	32
WRN	BE186	Bulk / Package	No		
Consignment Note No.		Date Required	14-May-18	DOC:	BE186
Consignation Note 140.	NA	Driver PPE Code			DETO
A Customer Details					

A. Customer Details			
Customer:	Suez Recycling and Recovery UK Ltd	Collection Address	
Address	Packington House	Concusti Address	AS BELOW
	Packington Lane		Molson Coors Brewery
	Meriden		Station Street
City	Coventry		
County	Warwickshire		Burton Upon Trent
Post Code	CV7 7HN	Dont Cod-	
Prem Code		Post Code	DE14 1BG
SIC		Prem Code	
Contact Name	Tim Owen	SIC	11050
Direct Tel.	07870 253 050	Contact Name	Mark Parker
Switchboard Tel.		Direct Tel.	07808-096824
Mobile		Switchboard Tel.	
Fax		Mobile	
	01675 465 740	Fax	
Email	tim.owen@sita.co.uk	Email	
		Purchase Order No.	PO:

		Description	Unit Size	Quantity	Physical Form	EWC
	1	Propylene Glycol (70%) & Water	TONNE	19	LIQUID	16 10 02
escription of Waste						
	3					
	4					
	UN No.	Proper Shipping Name		Class		PG
	1 NON HAZAF	RDOUS FOR TRANSPORT				NA
ransport Information						
	3					
	4					, post
ehicle Type	TANKER		Hazardous / Non Hazardous		Non Hazardous	
ccess						
ollection Times						
			Collect from 10 x IBC	s		
ollection / Loading structions & Fittings						
or detions of mings						

C. Carriers Details				
Company Name, Address and Carrier Registration Number	Bridmin Ltd, Kingsbury Road, Minworth, Sutton Coldfield, West Midlands, B76 9DD, Reg: CBDU184480 (Tel: 01213 511 965)	Driver Name: Vehicle Reg. No: Date: Time on site: Time off site:	PHEL BROADRICK BUITXKU 11:5:18 7:15	

D. Consignor's Declaration			
I certify that the information	n in A, B & C is correct and confirm th	at I have considered and applied the Duty of Care code of practice.	
I confirm that I have fulfille	d my duty to apply the waste hierarch	as Regulation 12 of the Waste (England and Wales) Regulations 2011.	
Authorising Signature	ille	Name M. PARILLER	
Position	EN6	Date 11/5/18	

E. Disposal Details		
Disposal Site Address Licence, Permit or Exemption Number	Castle Waste Services Ltd, T/A Castle Environmental, Crompton Road, Ilkeston, Derbys, DE7 4BG Permit No. AP3337SJ 01159 442 994	Signature: Name: Position: Date: Time:

The Hazardous Waste Regulations 2005: Consignment Note



	The waste dea postcode, telep 170 LSBIN STATION BURTON DE 14	COOK STRUVON	SI (V	Imile): (K)				ess,	4 Ti	FIL FINM Waste	GROW STEEF Produce w telephone,		U.S.L.	D En thul Insine, ad	L./ dress,
	ART B Descri	7	_	_								100	online7	a) sheet in	an the hore
	The process givi WASTE DETAILS				63	36	collected a	TNG 2 Il of the Info	SIC (200) mation gi	7) for the ven belo	process gh	ring rise to t	the waste or each E	WC Identifie	051
	scription of wast		Ust o	of wast			Quantity (kg)	The chem	ical/biolog and their	concents	ipônents In atlons are: intration mg/kg)		form Id, solid, sludge	Hezard code(s)	Container type, numb and size
H	FO/UK	oll	1/	a.	70	8	12,008	140	جر.	40	^	LIQUI	n	1824.7	54-K
									011_	4	Artes			11: 5,4.1	THE C
	Information giv		_			_		Lifted		1 80					
EWC	code	UN ider		on 1	Proper	shipp	ing name((s)	UN clas	\$ \$ (8 \$)	Packing	tomb(s)		l handling	
6	0709	170	2	1	1. S.	113	oce 40	Same	1 de la constante	E>	11		P	P. E	4
-	RFC Carrier's			-4		3		-	3		1	45	1.5		-
Vher	ers is attached in Lify that I today o ct and I have be this hote comp or this name:	oliected the ep advised rises part o	e consi of any fa muli	gnmen specif lpte co	nt and i	that the	requirement ound num /	n A2, A3 and	ia. If schei 183 are	dúla of	exempt an measures, correctly ar handling re I confirm th hierarchy a (England ar	who is come divised was advised the carried the carried the carried that I have full a required by the Wales) Regulated the wales of th	oct, that if ed of the aste is pa or has bee filled my o y Regulations	appropriate kaged and n advised o duty to appl on 12 of the 2011.	registered or precautionary labelled fany special y the waste waste
l cert corre Wher 1 Ca On C C 2 Car 3 Ver Date	ets is attached if y that I today of cit and I have be the this note compared to the this note that	ick frem: [collected the en advised in ses part of the en advised	postco	gnmer specification specificat	nt and if honoillection	that the diling renter is the	ne detalls i requirement ound numi	in A2, A3 anints. her and collection in the coll	is. If sche	ber are	exempt an measures. Correctly ar handling re I confirm the hierarchy a (England at 1 Consign) On behalf of facshulle): Signature Date 2	and is come do was ado is come do was ado is come do was ado in the way and the carrier sequirements at I have full	not, that it does not that it age of of the age of the	pe carrier is appropriate Exaged and n advised of duty to apply on 12 of the 2011. J. W. W. stcode, tale A Time cathon and ca	registered or precaultioning labelled fany special y the waste s Waste 100 CTH phone, e-mail
I certification of the correction of the certification of the certificat	ets is attached if y that I today of cit and I have be the this note compared to the this note that	ick free [ollected the padvisec rises part of address, address, no./reason no. (or me	postco	gnmer specification specificat	nt and if honoillection	that the diling renter is the	ne detalls i requirement ound numi	in A2, A3 and notes. ber and collection of the c	is. If sche	ber are	exempt an measures. Correctly ar handling re I confirm the hierarchy a (England at 1 Consign) On behalf of facshulle): Signature Date 2	days adviss all of the way adviss and service and service and service and service at 1 have ful to require the or name: If (name, ad	not, that it does not that it age of of the age of the	pe carrier is appropriate Exaged and n advised of duty to apply on 12 of the 2011. J. W. W. stcode, tale A Time cathon and ca	registered or precautioning labelled fany special y the waste s Waste 100 CTM phone, e-mail
I certification of the correction of the certification of the certificat	eta la attached i fly that I today o ct and I have be re this note comp rifer name: behalf of (name i) behal	ick frem: [collected the en advised in ses part of the en advised	postco	gnmer specification specificat	nt and if honoillection	that the diling renter is the	ne detalls i requirement ound numi	in A2, A3 and notes. ber and collection of the c	is. If sche	ber are	exempt an measures. Correctly ar handling re I confirm the hierarchy a (England at 1 Consign) On behalf of facshulle): Signature Date 2	and is come do was ado is come do was ado is come do was ado in the way and the carrier sequirements at I have full	not, that it does not that it age of of the age of the	pe carrier is appropriate Exaged and n advised of duty to apply on 12 of the 2011. J. W. W. stcode, tale A Time cathon and ca	registered or precaultioning labelled fany special y the waste s Waste 100 CTH phone, e-mail

SALVAGE LID

ASTE OIL RECOVERY SPECIALISTS

OSL

TICKET No.

22798

LYSTER ROAD, BOOTLE, MERSEYSIDE L20 1AS

Tel: 0151-933 4084 Fax: 0151-922 8488

Email: sales@oilsalvage.com Web: www.oilsalvage.com

CUSTOMER / SUPPLIER

41015 2005

DESCRIPTION OF LOAD

HAULIER

VEHICLE REG'N. No.

DX15XOU

COMMENTS

Running no.

First Wt.

Rumins no. RE-ENTERED 1st WEIGHT

Gross

WEIGHMAN'S SIGNATURE

DRIVER'S SIGNATURE

OIL DRAW DOWN

Date	Location	Floor	Asset No./Reference	Oil Drained	Picture Re
00/00/10	ADOTIONS ROOM 3	Somo	B-40-563336		7
08/03/18	Apprioss Room		B-42-563476		3
00/05/10	ADDITIONS ROOM	108	B-42-563076		
	ADDITIONS ROOM		B-42-563236		
			B-41-9281		
			B-41-9346	Y	
			P09303G1	Y	1 -1
			B-41-9370	Y	0
			B-41-9419	Y	19
		Conton	13-41-9371	Y	10
08/05/18			B-41-2994	1	11
00/03/18	FUARER	Bosson	B-41 - Zaak B-03 - 1445	Y	12
00/02/18	YEAST AREA	700	B-22-000)	7	13
	YEBST AREA	TOP	B-22-0002	7	14
08/05/18		TOF		Y	15
08/05/18		TOP		4	16
08/05/18	4cv 3	TOP		Y	17
08/05/18	Y CV 4	TOP		Y	18
08/05/18	NCV 3	TOP		7	19
08/05/18	YCV 6	TOP		Y	70
	7 CV T	JOP -		Y	1-5
08/05/18		TOP			72
1 -1 -		108		7	73
01 -1.0		TOP			74
08/65/18	YCV IZ	TOP			2-5
08/05/18	YCV 13	TOP			7-6
08/05/18	1017 30	TOP			7-
09/05/18	BREWHOUSE G/FLOOR		Temb P08668m1		28
1-1.8	BREDWOISE G/FIDOR		W1 POOL P08633 M1		20
	SPENT CERDINO SILO DISCHARGE		SILO 1 M00867 M1		30
09/05/18			5162 MO0875 MI	V	32
09/05/18			6,103	Y	33
	MAIT SILO'S	TOP	B-51-0572	Y	34
09/05/18	C0064561	700	MALT SILO'S	1	2
09/05/18	MAG SILO'S	TOP	B-51-0556	4	34
09/05/18	0095551105	108	B-51-05W8	1	37

Appendix E

Decommissioning Certificates



Certificate of Test

This certificate is valid for 24 hours from the time of test.

Customer Mison Coops (un) Hubins Date 13/4/2012.
STATION ST BURTON UPON TRENT Time of Test 1500-1600
DE14 1BG Valid Until/500-1600 14/4/2018
Tank / Area Identification $3 \times PIPE LINES HYPOCHRORITE$
Reason for Test REMOVAL _ LINES FLIKHES TILL CORRECT
We certify that we have tested the atmosphere of the
Tank / Pipework / Area* mentioned above and
found them to contain / be free* from flammable gas or vapour
and are net / safe* for hot / cold work.
*Tester to delete as appropriate

Test Result: Oxygen 20.9%, L.E.L. 0 %

The tank must not / may be* entered without the use of breathing apparatus.

Special conditions and precautions to be observed are printed on the reverse of this certificate, the validity of which would be null and void if contravened.

Authorised by:

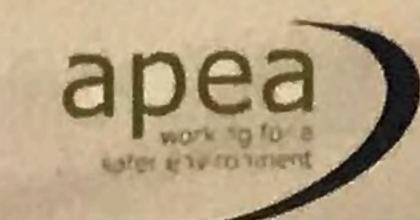
On behalf of Ancorra Environmental Services

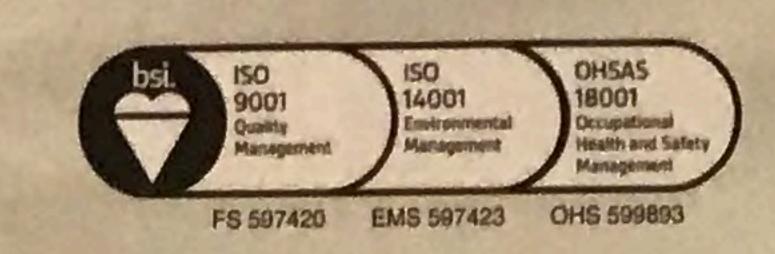
Ancorra Environmental Services Ltd., Ancorra House, Hammond Road, Knowsley Industrial Park, Merseyside, L33 7UL.

Tel: 0151 546 3012 · Fax: 0151 548 7200

www.ancorraenvironmental.co.uk









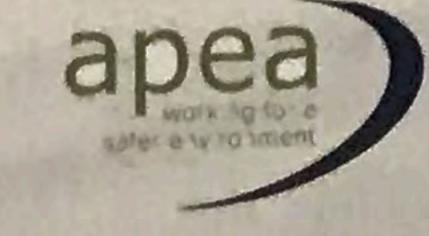
Certificate of Test

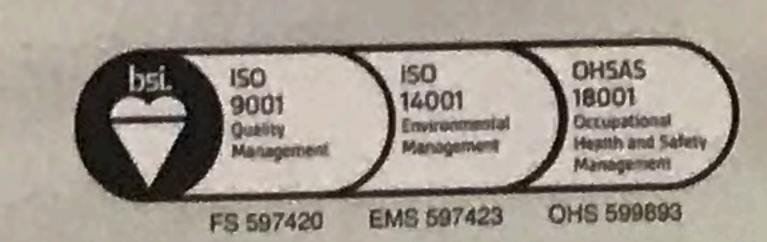
This certificate is valid for 24 hours from the time of test.

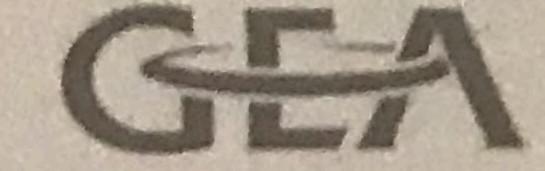
Customer Mouson COORS (4K) HOWN Date 13/6/18
STATION STREET Time of Test 5.06
BURTON UPON TRIGNK DEIL 1BG Valid Until 14/6/18
Tank / Area Identification Pife Work
Reason for Test 10 SHOW ALL LINE CLOSAR OF
Reason for Test To SHOW ALL LINE CUSAR OF CONTAININATION We certify that we have tested the atmosphere of the
Fank / Pipework / Area* mentioned above and
found them to contain / be free* from flammable gas or vapour
and are not/safe* for hot / cold work.
*Tester to delete as appropriate
Test Result: Oxygen 20-9%, L.E.L. 0%
The tank must not / may be* entered without the use
PH NEWERAL ACHIEVED AFTER FLUSHING
Special conditions and precautions to be observed are printed
on the reverse of this certificate, the validity of which
would be null and void if contravened.
Authorised by:
On behalf of Ancorra Environmental Services
ra Environmental Services Ltd., Ancorra House, Hammond Road, Knowsley Industrial Park, Merseyside, L33 7

Ancorra Environmental Services Ltd., Ancorra House, Hammond Road, Knowsley Industrial Park, Merseyslde, Loo 7 o'Ll Tel: 0151 546 3012 · Fax: 0151 548 7200 www.ancorraenvironmental.co.uk









Decommissioning Certificate

SIGNATURE OF COMPLTION

Site Molson Coors Burton

System GEA Grasso, APV & Star Refrigeration plant. Silo Block Molson Coors No1 Brewery

The below signed has confirmed that the plant identified as the silo block refrigeration plant on Molson Coors No1 brewery, has been decommissioned in accordance with all environmental legislation and left in a safe condition as per the quotation and scope of agreed works with Molson Coors Neil Morris (UK Engineering EH&S Manager) & David Grew (Utilities Asset Care Manager).

GEA Refrigeration UK Limited

Signed for and on behalf of GEA Refrigeration UK limited:-

Signature D5 William D.

Print DAVID JOHN WILKINSON.

Position: GEA Service Nottingham Branch Manager

Date 1ST FEBRUARY 2018.

Question	Answer	Attach Findings	Photos
Section: (empty)(12)			
STEP-BUR-LEAD1 Are all employees adhering to the departmental PPE requirements All employees are required to wear appropriate PPE as defined in the area in which they are required to work.	YES		0
STEP-BUR-LEAD2 Are walkways and/or fire routes and exits free from hazards? All materials should be stored in the correct areas, which do not encroach on walkways or in front of fire exits.	YES		0
STEP-BUR-LEAD3 Are all chemicals stored appropriately? Are all chemicals stored on bunds and segregated by type (i.e.: acid segregated from alkaline)?	YES		0
STEP-BUR-LEAD4 is there visible evidence of 5s/housekeeping audits being preformed? Items are stored correctly, hoses are reeled away when not in use and packaging materials are in the correct areas.	N/A		0
STEP-BUR-LEAD5 All waste is segregated by type Skips contain the waste that is supposed to be in there, Contamination with other waste such as hazardous waste is not present.	YES		0
STEP-BUR-LEAD6 Are all fire extinguishers in place, inspected and the seal intact? Fire extinguishers are in good condition, they are fully charged. The last inspection date is ok. Has it been used?	YES		0
STEP-BUR-LEAD7 All Bunds are empty and free of liquid build up Check bunds in the area to ensure that they are empty and free from a build up of liquid.	YES		0
STEP-BUR-LEAD8 Are FLT's and vehicles used appropriately? Are drivers driving at excessive speed, are reversing alarms working, are mirrors in good condition, are daily pre use checks being completed, are loads stable, etc	N/A		0
STEP-BUR-LEAD9 Are all FLT & Pallet Truck Pre-use checks completed for all vehicles in use Is there a fully completed FLT & Pallet Truck pre-use check sheet for all vehicles in use correctly signed and dated.	YES		ō
STEP-BUR-LEAD10 is there visible evidence of management of slips, trips and falls? Check floors and stairs are in good condition, spills are cleaned, footwear treads are adequate,, no trailing leads or cables, etc.	YES		Ō
STEP-BUR-LEAD11 Are all safety signs present, legible, visible and relevant Safety signs are correct, in good condition, relevant, visible and legible.	YES		Ó
STEP-BUR-LEAD12 Is the lighting in the area suitable and sufficient to work? Is the lighting bright enough for task to be carried out?	YES		0
Viewing 1 - 12 of 12 Records			Items Displayed 20 🐱

Final Production Plant Handover Certificate



Area		BURTON
Process	South	
Asset Number	FRANKNING-	
Plant Description (Photo of internal	13-22-56249	
and external of plant item to be appended to this document)	LYCV 1	

	Yes /No	Date	Signed	Comments
Has the process/item of plant been CIP'd? (Records to be appended to this sheet)		13/1/16	5NS_	
Has the process/item of plan been flushed only? (where no CIP possible)	NA			
Has hazardous waste been contained and is ready for disposal?	4/4			
lave sterilant lines been lushed to remove traces of hemicals?	MA			
Asset Drained down?	4	13/1/16	503	

Identify Services in Place	Yes/No	Detail
Nitrogen		
Oxygen	1	STARIUS AIR 108 PRESSURS
Carbon Dioxide	~	
Steam/Condensate	1	
Electricity	4	unsur mosses / nousur
Gas	N	
Caustic	4	CIP SUPPLY
Acid	~	
Compressed Air		
Refrigeration Plant/Glycol	4	cooutres sacresses
Liquor	N	

Plant Handover	Date	Signed (Manager)
Production Confirmation that safe for final isolations to be applied	13/3/18	40 Buy
Engineer (accepting Plant Handover)	13/3/18	My

Appendix F

RPS 2019 Site Investigation (SPMP Comparison)



Date: 16 July 2019

To: Frances Bodman, Wayne Davies

From: Benjamin Brière de l'Isle

Pages: 5 inc. this page

Regarding: Burton South Groundwater Quality

Introduction and Aim

Molson Coors Brewing Limited, succeeding to Coors Brewers Ltd at Burton Brewery, Station Street (permit number BN1437IT), are seeking to surrender the permit related to the southern part of their brewery site in Burton on Trent, named Burton South hereafter.

An intrusive site investigation was undertaken between 8th March and 15th March 2006 consisting, amongst others, in the development of three monitoring location at Burton South. The 2006 Site Investigation supporting the Permit Application was site wide.

Drawing JER1741-SCR-001 shows the location of historic monitoring locations in Burton South. Geological logs were produced, and soils samples were taken for analysis during drilling. Sampling of groundwater at the facility was undertaken on 22nd March 2006. A monitoring borehole, WS105A, was drilled in 2019 to enable comparison of soil samples taken from WS105 in 2006. Groundwater sample was taken only at one location in BH101 in 2006. The 2019 Site Investigation consists therefore in groundwater sampling at 3 locations, i.e. BH101, WS104 and WS105A.

The aim of the 2019 Site Investigation is to provide supporting evidence demonstrating that during the life of the permit, there has been no discernible impact to the water and soil environment through a comparison of the dataset collected during the 2006 Site Investigation. Based on the comparison below, no adverse changes have been observed between 2006 and 2019 with regards to soil and groundwater for those key determinands identified by the first SMP associated with the installation.

The monitoring boreholes relating to the Burton South site are described in Table 1.

Table 1: Monitoring Locations

Monitoring Location	Water level (2006) in mbgl	Depth to base of installation (m)	Installation details	Strata in Response Zone	Potential Sources of Contamination
BH101	2.10	5.84	Plain – 0-4 mbgl Slotted – 4-6 mbgl	Alluvium	Boiler House Light Fuel Oil (LFO) storages
WS104	-	3.00	Plain – 0-1 mbgl Slotted – 1-3 mbgl	Alluvium	Reference data for possible historical spillages associated

Date: 16 July 2019

Regarding: Burton South Groundwater Quality

Monitoring Location	Water level (2006) in mbgl	Depth to base of installation (m)	Installation details	Strata in Response Zone	Potential Sources of Contamination
					with bulk LFO tanks or caustic and acid storage
WS105	-	3.00	Not installed	Alluvium	Reference data for possible historical spillages associated with caustic and acid storage
WS105A	-	2.30	Plain – 0-1 mbgl Slotted – 1-4 mbgl	Alluvium	Reference data for possible historical spillages associated with caustic and acid storage

Analytical Comparison for Soils

Soil samples have been taken during drilling of the first SPMP and results of the investigation are provided in Table 2. The first SPMP focused on determining contaminants levels in the two strata, made ground and alluvium, composing the Site Conceptual Model. This was deemed representative of the baseline conditions subject to the limitations imposed on sampling on an industrial site.

Table 2: Summary of Visual / Olfactory Evidence of Contamination during 2006 and 2019

Location / Date	Depth (m bgl)	Strata	Max PID / FID ppm	Potential Sources of Contamination
BH101 / 2006	0.35 – 0.70	Red slightly sandy (fine and medium) brick GRAVEL and brick COBBLES (Made ground)	3.1	South Boiler House LFO storage
WS104 / 2006	0.25 – 1.20	Grey sandy fine to coarse GRAVEL including occasional brick fragments and ash fragments. (Made ground)	0.4	No specific potential source identified
		Brown fine and medium SAND and fine to coarse GRAVEL (Alluvium).		Storage of acids and alkalis, site drains
WS105 / 2006	1.20 – 3.00	Moderate organic odour. Between 1.6-1.8m: stained grey and black, faint oil odour. Between 2.6-2.7m: damp black band with putrid odour.	7.9	
WS105A / 2019	-	No evidence of contamination observed	-	-

Six historic samples and three recent samples have been collected from:

- Soil in BH101 (historic) samples at 0.5, 1.5 and 3.0 m;
- Soil in WS104 (historic) samples at 0.6m;
- Soils in WS105 (historic) samples at 0.7 and 1.4m; and,
- Soils in WS105A (recent) samples at 0.5, 0.7 and 1.4m.

The results of the analysis are presented in Table 3.

The results of the soils analysed in 2006 and 2019 can only be directly compared between WS105 and WS105A. The results show comparable and / or reduction in concentrations of contaminant of concerns. With the exception of phosphate, concentrations of inorganic compounds (chloride, potassium, sodium, calcium, nitrate) tends to be higher within shallower horizons. Absence of hydrocarbons from 2019 samples

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when compared to 2006 soils samples indicate previously relatively elevated concentrations are no longer present in the vicinity of WS105 / WS105A.

Table 3: Soils Comparison

Determinand	BH101 0.5	BH101 1.5	BH101 3.0	WS104 0.6	WS105 0.7	WS105 1.4	WS105A 0.5	WS105A 0.7	WS105A 1.4
pH (unit)	9.79	10.55	8.70	12.47	9.94	6.84	9.46	8.95	8.81
TOC (%)	0.84	0.27	0.05	0.60	0.14	0.09	<0.2	<0.2	<0.2
Soluble SO ₄ (g/l)	0.175	0.105	0.034	12	0.058	0.005	0.020	0.008	0.009
Total Sulphate	1,244	725	125	2,239	67	<50	129	<48	<48
Phosphate (PO ₄)	<1	<1	1	<1	<1	<1	7.49	4.52	<1
Chloride	148	178	36	104	20	9	8.92	<5	5.1
Nitrate	41	101	7	12	4	<1	3	2	2
Potassium	2,786	1,858	692	1,046	688	478	697	1,390	532
Sodium	679	372	224	512	212	103	52.4	147	23.9
Calcium	21,650	13,530	1,460	62,840	30,840	318	26,400	17,900	726
Arsenic	4	4	1	5	2	1	5	4	3
Cadmium	<1	<1	<1	<1	<1	<1	0.47	0.11	0.14
Chromium	25	36	10	15	12	13	6	3	2
Copper	13	5	6	24	6	7	11	6	8
Lead	61	11	5	30	10	5	19	6	5
Mercury	<1	<1	<1	<1	<1	<1	<0.14	<0.14	<0.14
Nickel	9	8	6	8	6	5	10	6	7
Selenium	<3	<3	<3	<3	<3	<3	<1	<1	<1
Zinc	47	22	16	43	28	17	42	25	22
EPH (C10-C40)	22	43	41	207	57	195	<0.1	<0.1	<0.1
GRO (C4-C10)	<0.01	<0.01	<0.01	<0.01	<0.01	2.3	<0.02	<0.02	<0.02
GRO (10-C12)	<0.01	<0.01	<0.01	<0.01	<0.01	2.2	<0.035	<0.035	<0.035
Benzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.009	<0.009	<0.009
Toluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.007	<0.007	<0.007
Ethyl Benzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.004	<0.004	<0.004
m&p Xylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o Xylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MTBE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Units in mg/kg unless stated otherwise.

Analytical Comparison for Groundwater

Groundwater was only analysed in BH101 during the SPMP at Burton South. The comparison between 2006 and 2019 dataset is provided in Table 4. The comparison between 2006 and 2019 dataset indicates geochemistry of similar order of magnitude with most contaminants of concerns marginally above or under detection limits. Groundwater was also taken from available boreholes within Burton South, namely WS104 and WS105A on 25th June 2019. The results of the groundwater samples are also provided in Table 4. Results observed in 2019 cannot be directly compared with previously obtained data from the SPMP, but the

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results from 2019 indicate no significant level of contamination are present within the groundwater at these locations.

Table 4: Groundwater Comparison

Determinands	Units	BH101 (22/3/06)	BH101 (25/6/19)	WS104 (25/6/19)	WS105A (25/6/19)
pH	pH Units	8.43	7.83	7.19	8.26
Conductivity @ 20 deg.C	mS/cm	1.363	0.331	0.057	0.256
BOD, unfiltered	mg/l	3	2.12	2.28	<1
COD, unfiltered	mg/l	12	<7	10.2	22.3
Dissolved Oxygen	mg/l	10	3.97	9.31	1.12
Ammoniacal Nitrogen as N	mg/l	2.1	<0.2	<0.2	0.57
Chloride	mg/l	200	12.3	<lod< td=""><td>2.1</td></lod<>	2.1
Nitrate as NO3	mg/l	2.7	4.32	0.54	2.04
Phosphate (Ortho as P)	mg/l	<0.08	0.47	<0.02	0.09
Sulphate	mg/l	79	40.5	<2	20.8
Arsenic (diss.filt)	μg/l	1	3.39	0.52	3.26
Cadmium (diss.filt)	μg/l	<0.4	<0.08	<0.08	0.08
Calcium (Dis.Filt)	mg/l	79.4	34.3	7.58	26.1
Chromium (diss.filt)	μg/l	2	1.6	<1	<1
Copper (diss.filt)	μg/l	2	2.14	4.21	2.79
Lead (diss.filt)	μg/l	<1	<0.2	<0.2	3.49
Nickel (diss.filt)	μg/l	4	0.52	2.48	1.97
Potassium (Dis.Filt)	mg/l	14.7	30.7	1.3	5.9
Selenium (diss.filt)	μg/l	2	1.51	<1	<1
Sodium (Dis.Filt)	mg/l	150.0	34.7	0.8	34.4
Zinc (diss.filt)	μg/l	22	2.3	4.9	10.2
Mercury (diss.filt)	μg/l	<0.05	<0.01	<0.01	<0.01
GRO >C5-C12	μg/l	<10	<50	<50	61
EPH Range >C10 - C40 (aq)	μg/l	132	<100	364	102
Benzene	μg/l	<lod< td=""><td><7</td><td><7</td><td><7</td></lod<>	<7	<7	<7
Ethylbenzene	μg/l	<lod< td=""><td><5</td><td><5</td><td><5</td></lod<>	<5	<5	<5
Toluene	μg/l	<lod< td=""><td><4</td><td><4</td><td><4</td></lod<>	<4	<4	<4
o-Xylene	μg/l	<lod< td=""><td><3</td><td><3</td><td><3</td></lod<>	<3	<3	<3
m,p-Xylene	μg/l	<lod< td=""><td><8</td><td><8</td><td><8</td></lod<>	<8	<8	<8
MTBE	μg/l	<lod< td=""><td><3</td><td><3</td><td><3</td></lod<>	<3	<3	<3

Conclusion

Based on the comparison above, no adverse changes have been observed between 2006 and 2019 with regards to soil and groundwater for those key determinands identified by the first SMP associated with the installation.

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The slightly elevated concentrations of hydrocarbons found in soil and shallow groundwater at Burton South has not been detected during the 2019 round either in the soils nor in the groundwater.

It is expected concentrations of contaminants observed have decreased to below detection limits following dilution and degradation processes since the first SPMP. This also demonstrate adequate Environmental Management System have been implemented for those activities handling the contaminants of concerns analysed.

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