Mabbett®
Planning | Design | Environment | Engineering | Safety

See a Difference.

Project No: 315994

Site Condition Report

Prepared for:

Aquaforce Special Waste Limited

Aquaforce Special Waste Ltd
Unit 4a,Sprint Induistrial Estate
Four Ashes
Wolverhampton, UK
WV10 7ED

Contents Amendment Record

This report has been issued and amended as follows:

Revision	Description	Date	Author	Reviewer	Approver
1.0	Final	31/07/2024	S Borland J Dunn	S Borland	I Marshall

Acknowledgement

This report has been prepared for the sole and exclusive use of Aquaforce Special Waste Limited (Aquaforce) in accordance with the scope of work presented in the Mabbett & Associates Ltd (Mabbett) Letter Agreement dated 03 July 2024 (Ref. 315994/KB/030724/1.0). This report is based on information and data collected by Mabbett. Should any of the information be incorrect, incomplete, or subject to change, Mabbett may wish to revise the report accordingly.

Table of Contents

Drawings

Appendices

Section 1.0: Introduction

Address: Aquaforce Special Waste Ltd
Unit 4a Sprint Industrial Estate
Station Road
Four Ashes
Wolverhampton, UK
WV10 7ED

Local Authority: South Staffordshire Council

Grid Ref: SJ 91763 08541

Site Area: 0.88 ha

Aquaforce Special Waste Ltd (Aquaforce) provide this Site Condition Report (SCR) in support of their application to the Environment Agency (EA) for a Substantial Variation to their Environmental Permit (Ref.: EPR/XP3992FV and herein referred to as the 'Permit') for activities regulated by the Environmental Permitting (England and Wales) Regulations 2016 (EPR).

Aquaforce currently operates a recycling and waste transfer and treatment facility for the treatment of hazardous waste and transfer of non-hazardous waste streams comprising of waste from electrical and electronic equipment (WEEE) wastes, paint waste, oily rags and protective clothing, airbags, aerosols and minor quantities of asbestos. The land occupied by Aquaforce, which is partly leased from AEW UK Investment Management LLP and partly owned by Aquaforce, has been referred to herein as the 'Site'. The part of the Site where the permitted activities take place is referred to as the 'Installation'. The Site and Installation location and delineated boundaries are shown on Drawing L-1 'Site Location Plan' and Drawing L-2 'Installation Area Boundaries'.

The Permit indicates that Aquaforce initially operated the facility under a Waste Management Licence (WML) (Ref.: EAWML 40075) which was issued on 30 July 2002 and subsequently varied until 09 February 2009 when the WML was replaced by Permit Ref.: EPR/XP3992FV/005 under the EPR. The Permit was subsequently varied to incorporate additional waste codes and to amend the exclusion of dusts, powders or loose fibres in accepted wastes. The current Permit was duly made on 19 July 2017 and has been in place since that date. The application for a Substantial Variation to the current Permit allows for the following amendments to the Permit:

- Increased maximum waste throughput from 24,999 tonnes per annum to 29,999 tonnes per annum;
- The incorporation into the Permit of additional waste streams (identified by waste code) permissible for acceptance at the facility. Specifically this updates the list of acceptable WEEE waste codes to include additional waste codes and the inclusion of treatment of non-hazardous WEEE waste;
- Amendment of the treatment of non-hazardous waste to include additional non-hazardous waste codes;
- The amendment of the Permit boundary to include additional land[1] (referred to herein as the 'Additional Area').

Since submission of the application in 2023, Aquaforce is no longer seeking to add drum washing activities to the Permit. In line with the EA published Guidance for Applicants[2] (herein referred to as the 'H5 Guidance') an updated site report and baseline data is required when a Substantial Variation to the Permitted process is proposed. Mabbett has been commissioned to provide a SCR to assess the land condition at the Installation and establish the potential for Relevant Hazardous Substances (RHS)[3] to be present in soils and groundwaters beneath the Installation.

This SCR has been prepared taking appropriate cognisance of the H5 Guidance. This SCR seeks to identify baseline site condition within the areas of the newly expanded Installation boundary as well as within the existing Installation boundary where additional RHS will potentially be handled.

[1] Drawing L-2 'Installation Area Boundaries' highlights the existing Permit Installation boundary and the additional area proposed to be incorporated.
[2] Environment Agency, Guidance for applicants - H5, Environmental Permitting Regulations, Site condition report - guidance and templates, Ref.: LIT 8001 Version 3.0, April 2013.
[3] As defined by the Industrial Emissions Directive (IED) IED, EU Directive 2010/75/EU).

1.1 Installation and Permitted Activities

The Installation includes:

(a) A Stationary Technical Unit (STU) where the activities listed in Part 2 of Schedule 1 to the EPR 2016 are carried out; and
(b) Any other location on the site where any Directly Associated Activities (DAA), e.g., activities essential to the operation of the STU, are carried out.

The permitted activities, STU and DAA are defined further within Part B2 of the Permit and a summary is provided below:

Permitted Activities:

The Aquaforce Permit (current version EPR/XP3992FV/V009) currently relates to activities under Schedule 5.3 A(1) (a) (ii) and (iv), as regulated by the Environmental Permitting (England and Wales) Regulations 2016 (EPR) for "Disposal or recovery of hazardous waste".

This section is further defined as:

(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physicochemical treatment.
(iv) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving repackaging prior to submission to any of the other activities listed in this section or 5.1

The Aquaforce Permit also relates to activities under Schedule 5.6 (A1) (a) of the EPR for "Temporary or underground storage of hazardous waste".

This section is further defined as:

(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in Sections 5.1, 5.2, 5.3 and paragraph (b) of this Section.

A summary of the activities to be undertaken during above and which comprise the STU and DAA is provided below:

Stationary Technical Unit (STU):

The STU currently comprises the following units:

- WEEE waste treatment and recovery
- Waste paint treatment and recovery
- Waste aerosol processing and treatment
- Processing of waste contaminated with oils

The following additions to the STU are proposed

- Attritor plant

Directly Associated Activities (DAA):

The following DAA are carried out at the Installation:

- Steam boiler
- Manual pre-treatment of paints
- Storage of processed materials, excluding temporary storage of hazardous waste under Section 5.6 A(1)(a)
- Collection and disposal of process condensate water

The activities undertaken and described above, including those forming part of the STU and DAA, are referred to herein as the 'Permitted Activities'.

1.2 Project Objectives

The purpose of this SCR is to provide Aquaforce with a description of the condition of the land and groundwater at the time of application for the Substantial Variation to their Environmental Permit. This is required in order to assess the land condition at their Permitted Installation to establish the potential for RHS to be present in soils and groundwaters beneath the Installation. Several lines of evidence are considered, and a methodology considered to be analogous to (now withdrawn although still considered to be largely relevant) guidance presented in EA guidance *Environmental risk assessment - H1* has been used. The prescribed stages involved in this assessment and the intended outcomes are detailed below:

- **Stage I - Identify Relevant Hazardous Substances and Establish Pollution Potential**

  The initial step is to identify a list of substances handled at the Installation including raw materials, products, by-products, intermediaries, wastes and auxiliaries. It is then necessary to establish which of the substances identified can be characterised as RHS where these can pose a theoretical pollution risk based on chemical and physical constituents. These substances are then taken forward for further consideration. Substances which are not RHS or do not represent a theoretical pollution risk are discarded from further consideration.

  The pollution potential of the substances is established. Installation-specific factors, including the following: probability of release and the consequences of release; the quantity of each substance handled; how and where the substances are delivered and stored; how the substance is transported around the Installation; how the substances are used; pollution prevention measures that have been and will be adopted to prevent emission to soil and groundwater; and the mobility, persistence and potential effect of the substances. Substances which are considered to pose a risk to the environment, and where release is deemed to be possible, will be evaluated within the Conceptual Site Model (CSM) in order to establish potential risk levels. This is noted within the H5 Guidance to include substances classified as 'hazardous' under the Control of Major Accident Hazards (COMAH) regulations[4] as well as raw materials intermediates, products, wastes and effluents.

- **Stage II - Installation History**

  The historical context of the delineated Installation boundary is reviewed in order to identify potential pollutant sources which may have resulted in the substances identified in Stage I being present on-site prior to operation under EPR. Information on nearby industries and surrounding land use have been identified in order to inform the history of the delineated Installation area and potential impacts to which it may have been subject. As the Installation has been operational prior to the preparation of this report then any events which may have given rise to pollution, in particular accidents or incidents, drips or spills from routine operations, changes in operational practice, site surfacing and chemicals used under these pre-permitted operations will be considered. If emissions are likely, indicative areas for those actual or likely emissions are identified and will relate back to the potential emission points to establish coincident areas.

- **Stage III - Environmental Setting**

  The nature of the topography, geology and hydrogeology, direction of groundwater flow and potential migration pathways (i.e., drains, services, etc.) should be identified to determine where emissions may go once released and where associated substances may accumulate. The environmental setting review will identify which environmental media and receptors are potentially at risk.

- **Stage IV - Conceptual Site Model**

  The information compiled in Stages I through III will be used to develop a Conceptual Site Model (CSM) to demonstrate the potential for historical and future emissions and the strata or groundwater bodies likely to be affected by those emissions.

[4] Control of Major Accident Hazards Regulations, 2015.

1.3 References

The following list of primary documents and background sources were reviewed and considered to inform this SCR:

Legislation:

- The Environmental Permitting (England and Wales) Regulations 2016 (as amended).
- Article 3 of the Hazardous Substances Regulations: Regulation (EC) No 1272/2008 - Classification, Labelling and Packaging of Substances and Mixtures (CLP), 16 December 2008.
- Control of Major Accident Hazards Regulations, 2015.
- Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control).

Guidance:

- Environment Agency, Environmental Permitting Regulations, Guidance for applicants - H5, Site condition report – guidance and templates, LIT 8001 v.3.0, April 2013.
- Environment Agency and Department for Environment, Food & Rural Affairs (DEFRA), Risk assessment for your environmental permit, Guidance, 21 November 2023.
- Department for Environment Food & Rural Affairs, Environmental Permitting: Core guidance, For the Environmental Permitting (England and Wales) regulations 2016 (SI 2016 No 1154), March 2020.
- Land Contamination Risk Management (LCRM) framework guidance, Version 2.0. Environment Agency (EA), 20 July 2023.

Site-Specific Data:

- Safety Data Sheets (SDS) provided by Aquaforce for substances to be utilised by the Permitted Process or obtained by Mabbett following internet research to identify suitable SDS pertaining to the substances proposed to be utilised under the permitted operations and associated activities.
- Groundsure Enviro Insight, Ref: GS-8016591, 06 July 2022

1.4 Restrictions

This Site Condition Report has been prepared for the sole and exclusive use of Aquaforce in relation to application for their EPR Permit. Any usage or reliance upon information provided in this report, without the specific written authorisation of Aquaforce and Mabbett, shall be at the User's sole risk. No attempt has been made to assess the compliance status of any past or present Owner or Operator of the site with any UK or English regulations other than those specifically referenced in this report.

The professional opinions and findings presented in this report are based on facts and information conveyed to, or observed by, Mabbett during completion of the project. Furthermore, assessment and field operations have been performed in accordance with generally accepted engineering practices. No other warranty, expressed or implied, is made.

The assessment presented in this report is based solely upon the laws and regulations existing as of the date of this report, as well as information gathered to date, including a site reconnaissance made on the date indicated.

A Groundsure Enviro Report (the 'Groundsure Report') previously obtained by Crestwood Environmental Ltd was utilised as part of this assessment and is subject to the terms and conditions contained therein.

Should further environmental or other relevant information be developed at a later date, Aquaforce should bring such information to the attention of Mabbett as soon as possible. Based on an evaluation, Mabbett may modify this report and its conclusions.

Section 2.0: Stage I - RHS & Pollution Potential Substances

2.1 Permitted Substances

2.1.1 Identification of Substances Potentially Present

Aquaforce provided Mabbett with a spreadsheet of all waste imports and exports recorded for the Installation over the course of one (1) calendar year (July 2023 to July 2024) as generated by their internal waste management and control system. The spreadsheet includes details of the applicable European Waste Catalogue (EWC) waste code[5], Hazard Codes (hazardous property codes[6]), physical form (i.e. solid/liquid/gas), quantity, and a brief description of the waste.

The level of detail recorded by Aquaforce and the nature of the varied waste streams accepted means the provided spreadsheet comprises approximately 15,000 entries. A review of the available data has been undertaken and aspects have been used to inform the relevant risk assessments. Aquaforce has also provided the list of waste codes used to classify waste currently accepted at the Installation, and those proposed to be added to the Permit. This list is included in Appendix A. Although additional waste codes are proposed within the Permit variation, there will be no additional hazardous wastes accepted by the Installation. In order to generate a list of potential substances which may be considered RHS at the Installation, Mabbett propose to adopt the methodology presented in the following sections[7].

2.1.2 Identifying additional potential RHS within current Installation boundary:

As Aquaforce propose to include a number of additional waste streams (as identified by additional waste codes) to their Permit, the potential exists for additional RHS handled in areas operated under the current Permit. It is therefore necessary to identify these additional substances in order to undertake appropriate risk assessments. This is proposed to be undertaken by adopting the following methodology:

1. Review waste accepted using current waste codes and compare with proposed waste streams/waste codes in order to determine if significant differences likely to result in additional RHS being introduced exist;
2. Taking cognisance of the composition of substances detailed within the waste inputs spreadsheet, propose a list of substances potentially released by the proposed additional Installation activities focussing on those which are considered unlikely to have been accepted/handled previously; and
3. Produce a list of potential RHS considered 'new' to the original Installation area.

The list of substances produced as a result of the above methodology will be taken forward for inclusion in the Chemical Risk Assessment and appropriate sections of this SCR.

2.1.3 Identifying potential RHS within additional/new Installation boundary area:

Aquaforce intend to increase the delineated Installation boundary to incorporate an additional area to the south where Permitted activities have not taken place previously. It is therefore necessary to produce a list of potential RHS for activities proposed to occur within this area. This is proposed to be undertaken by adopting the following methodology:

1. Review the list of waste types accepted and handled as well as proposed processes within this area;
2. Assume that any of the existing waste types accepted may be handled within the 'new' Installation area;
3. Assume that any of the 'new' waste codes to be incorporated into the Permit, and therefore the corresponding potential RHS as determined using the methodology presented in Section 2.1.2 above, may also be present;
4. Taking cognisance of the composition of substances detailed within the waste inputs spreadsheet, propose a list of substances potentially released by Installation activities; and
5. Review the additional waste codes proposed to be added to the Permit and determine a list of substances potentially arising from handling of these wastes.

[5] As established by European Commission decision 2000/532/EC2.
[6] As established by Directive 2008/98/EC Annex III of the European Parliament.
[7] It should be noted that Aquaforce are unaware of any previous Site Condition Reports or baseline/reference data prepared or collected for the Site. A request made to the EA for information held regarding the site only returned details of the current Permit.

The list of substances produced as a result of the above methodology will be taken forward for inclusion in the Chemical Risk Assessment and appropriate sections of this SCR.

2.1.4 Identification of Substances Potentially Present - Conclusions

Appendix B 'Chemical Risk Assessment' presents the list of substances developed for assessment using the presented methodologies.

Current Installation Boundary Areas:

Following a review of the substances currently used/handled, and identification of those potentially associated with the proposed additional waste streams, it is concluded to be unlikely that the additional waste streams will result in the presence of substances not already handled within the Installation. Therefore, no additional baseline data is deemed to be required for activities undertaken within the existing Installation boundary. However, should changes to operational procedures or environmental risk be noted during the preparation of this SCR, this will be reflected in the appropriate assessments and recommendations.

New Installation Boundary Areas:

Using the methodology presented in Section 2.1.3, a list of potential substances which may be released by Permitted operations has been developed. The area proposed for incorporation into the Installation boundary, referred to as the Additional Installation Area, has not been used by Aquaforce under the current Permit previously and therefore none of the identified substances can reasonably be attributed to Aquaforce should they be present. In developing this list, it has been assumed that any of the waste streams accepted at the Installation may be handled/processed within the additional area.

2.2 Chemical Characteristics and Toxicity

Following compilation of the list of substances potentially released by the Permitted Process, these substances have been evaluated to consider whether they may present a plausible threat to the environment and be considered as an RHS. This initial classification was made regardless of the quantity held at the Installation or the conditions under which the substance is to be stored or employed. The following sources of information has been reviewed to inform the risk assessment:

Table 1: Sources of information

Source	Description
Safety Data Sheets (SDS)	Where readily available, Aquaforce has provided Safety Data Sheets (SDS) for substances used on-Site for the permitted activities however if an SDS was not provided, a basic online search was used to determine if relevant SDS was available. Information from the SDS on the characteristics and behaviour of each substance has been reviewed. Where SDS have presented constituent chemicals as percentage ranges, these have been outlined.
Article 3 of the Hazardous Substances Regulations	The Installation's chemical inventory has been assessed subject to the List of Hazardous Substances as defined in Article 3 of the Hazardous Substances Regulations Regulation (EC) No 1272/2008.
Guidance on the classification and assessment of waste (1st Edition v1.2.GB) Technical Guidance WM3 (WM3)	The Hazardous Property Codes provided for the accepted waste streams have been compared against Table 2.1 'Hazardous properties and hazard statement codes' presented within this guidance in order to determine whether Hazard Statement Codes as defined by Article 3 of the Hazardous Substances Regulations may apply.

2.3 Relevant Hazardous Substances (RHS)

The EPR define RHS as substances or mixtures as defined in Article 3 of the Hazardous Substances Regulation (EC No. 1272/2008). Where a substance carries a hazard statement code as defined in these regulations it is categorised as hazardous. This definition applies if the substance is considered to present a potential physical (e.g., explosive), health (e.g., carcinogenic) or an environmental (e.g., hazardous to the aquatic environment) risk.

Due to the nature of the Installation activities and variety of wastes accepted, it is not possible to discount with any degree of certainty, the possibility that the accepted waste categories potentially contain substances which could be defined as RHS. It is therefore considered that ***all*** waste categories should be conservatively assumed to have the potential to give rise to RHS. A review of the waste categories and potential/'worst case' constituents have been undertaken to assist with the risk assessment. The substances identified as RHS are therefore noted within Appendix B.

The environmental risks of the substances relevant to the proposed Installation have been assessed. The chemistry properties, hazard phrases, mammalian effects, eco-toxicity, bioaccumulation potential and environmental fate have been taken into consideration during the risk assessment.

2.4 Chemical Characteristics and Toxicity

Substances identified in Stage I are assessed to determine whether they pose a potential pollution risk based on their anticipated environmental fate and behaviour. In addition to the classification as an RHS, a substance can also be considered to pose a potential risk of pollution based on its chemical and physical properties such as composition, state (solid, liquid or gas) solubility, mobility, environmental persistence, etc. The chemical characteristics and toxicity data is presented in Appendix B.

2.5 Substances Posing a Potential Pollution Risk

Following classification as an RHS, or where a substance is deemed to have the potential to cause pollution as a result of its characteristics, it is considered to pose a potential pollution risk.

Appendix B presents the substances which are considered within this assessment. Those identified above as presenting a Potential Pollution Risk are taken forward for further risk assessment in the context of site-specific conditions. This is in order to determine whether circumstances exist where a release of a substance may occur in sufficient quantity to present a pollution risk.

Section 3.0: Installation Specific Characteristics

Each of the substances identified as posing a potential pollution risk is brought forward to the next stage of risk assessment described herein. Substances are assessed in the context of site-specific conditions to determine whether circumstances exist whereby either a single release or the cumulative effect of multiple emissions may result in pollution. Factors such as annual usage, storage location and arrangements, pollution prevention measures in place and handling arrangements for each of the substances identified have been considered. The following Section presents details on the nature of the Installation including pollution prevention measures either proposed or currently in place.

3.1 Site Description

A reconnaissance survey of the Installation was conducted by Jonathan Dunn, Principal Geo-Environmental Engineer, on 23 July 2024 to provide information on the Installation condition. Where appropriate the information gathered during the reconnaissance has been incorporated within this report. A photographic log is provided in Appendix C and photographs are referenced within this report where relevant.

Aquaforce report that the land on which the Existing Installation is located is owned by AEW UK Investment Management LLP via MAPP (Property Management) Ltd and that the proposed Additional Installation Area has been owned by Aquaforce since 2019.

3.2 Installation Design

3.2.1 Site Access, Layout and Ancillary Services

Sprint Industrial Estate is accessed via a public road through the main entrance located off Station Drive to the south of the Site. The main entrance comprises a security gate and car parking area to the south of a weighbridge utilised by Aquaforce which is adjacent to the reception building. Vehicles accessing the Aquaforce site are required to sign in at the reception on arrival. Once within the industrial estate access to the Installation is via service roads to the south and east of the main building. Sprint Industrial Estate is noted to also house a number of commercial properties including a plumber's merchant, vehicle/plant hire company and a scrap metal merchant.

Existing Installation Layout:

The current Installation layout is presented in Appendix D and comprises one (1) main warehouse-type building formed of a series of internal rooms or units and the former Paint and Aerosol Plant. Two (2) smaller office buildings are also located to the south of the Existing Installation Area within the external Additional Installation Area. All Permitted activities currently take place within this area which is located in the northern portion of the Site. The warehouse building comprises a Main Unit (also known as Unit 4) which houses Waste Reception, Fridge Plant and Storage, Waste Chemical Storage bays, the Airbag deployment and WEEE area, a separate roofed area for Waste Dispatch (separated from Unit 4 by an internal wall) and a separate Paint and Aerosol Plant which is currently not operational due to a fire earlier in 2024. Aquaforce report that the configuration of the processes undertaken within the Existing Installation Area have altered since operations began in 2002. Process locations have varied within the delineated area and it is therefore conservatively assumed that the processes described herein may have been undertaken at any location across the Site.

Proposed Installation Layout:

The proposed Installation Layout is presented in Drawing L-3 'Installation Layout' and described below.

Existing Installation Area: The only proposed change within the Existing Installation Area is the relocation of the Paint and Aerosol Plant, following the previous fire, adjacent to the Waste Chemical Storage Bays.

Additional Installation Area: The Additional Installation area to the south comprises an internal area within the main warehouse-type building which is currently used as a maintenance workshop, with storage of unused plant/empty containers (including Intermediate Bulk Containers (IBCs), drums, and pallets); a diesel tank; an external area comprising two (2) office buildings; and an area of hardstanding used for vehicular access to the existing Installation Area and for the storage of unused plant/empty containers.

Aquaforce confirmed that this area of the site was purchased by themselves in 2019 but has not been used for Permitted Activities. Aquaforce report that they propose to use this area for a new waste chemical storage facility, paint processing plant, filter cake processing, waste storage skips and associated tipping bays, an attritor plant and contaminated packaging and absorbent material processing/storage.

3.2.2 Stationary Technical Unit (STU) and Processing Areas

The defined STU for the Permitted Process is considered to encompass all of the proposed delineated Installation boundary as indicated on Drawing L-2. This includes both existing areas and the additional area proposed to be included.

3.3 Quantities of Substances Handled Annually

Waste and substance quantities were provided by Aquaforce as the maximum annual throughputs and maximum storage capacity at any one time (aggregated) in tonnes. Maximum waste quantities accepted are currently 24,999 tonnes per annum, the Operator proposes to increase this by 5,000 tonnes to 29,999 tonnes per annum. There is no proposed increase to the total waste storage capacity which is 5,000 tonnes at any one time (aggregated). This total tonnage can comprise a combination of hazardous and non-hazardous waste generated from any permitted activity. Aquaforce also provided a further breakdown of the estimated maximum quantity of wastes generated from each permitted activity and individual substances anticipated to be held at any one time and this information has also been incorporated to the risk assessment in order to inform consideration of the magnitude of impact should a release to the environment occur.

These values represent the maximum ‘worst case’ scenarios; however, Aquaforce (the Operator) acknowledges that the tonnages noted are unlikely to be achieved even once the Additional Installation Area is operational. Aquaforce reported that current waste throughout is approximately 10,000 tonnes per annum and that approximately 500 tonnes of waste (in the aggregate) generated from permitted activities is stored within the Installation at any one time currently.

Aquaforce also confirmed that the maximum diesel/kerosene stored on Site at any one time is approximately 3,500 litres.

However, given that proposed Permit variation will allow for the above throughputs and storage quantities it was considered prudent to use these maximum values for risk assessment purposes and is presented in Appendix B.

3.4 Process Description

Aquaforce have a waste acceptance and management system in place across the Existing Installation which will be extended to the additional permitted activities and waste codes. The waste operations consist of the treatment of commercial and domestic fridges and transfer of hazardous and non-hazardous WEEE wastes.

The hazardous waste activities comprise the transfer of asbestos waste, commercial and domestic batteries and oily wastes such as oily rags and protective clothing, the recovery of paint waste, treatment of airbag and aerosol waste and the storage, recovery and disposal of drummed and containerised waste materials.

An attritor plant will be installed in the within Additional Installation area within the south of the building to facilitate the treatment of non-hazardous waste containers, such as plastics and cans. The attritor will mechanically separate and shred non-hazardous waste, typically packaging, via a dedicated plant.

A summary of the waste operations is included below.

Waste Acceptance:

The Installation accepts/will accept wastes from commercial and domestic sources and also serves as a Household Waste Recycling Centre (HWRC). To ensure due diligence, compliance, tracking and control of stock, all waste received at the Site must adhere to pre-acceptance procedures put in place by Aquaforce.

Aquaforce makes use of a waste tracking system which is used to determine the quantity of waste on Site and therefore, the remaining waste capacity. The quantity of incoming waste is verified during the waste pre-acceptance and waste acceptance procedures. This waste tracking system and inventory takes into account the hazardous properties of the waste, the risks posed by the waste in terms of process safety, occupational safety and environmental impact, as well as the information provided by the previous waste holder(s).

Aquaforce also maintains a stock inventory of wastes, inspection of storage areas is performed so as to assess waste quantities. Waste will not be accepted if there is insufficient storage capacity available or if the Installation is inadequately manned.

Contractors are briefed on the sensitivity of the Installation and require a Site induction to maintain the high standards of operation required.

All waste received at the Installation are subjected to documented and recorded acceptance procedures in line with current legislation. To help ensure due diligence, compliance and tracking and control of stock, all waste received at the Installation must adhere to pre-acceptance procedures summarised below:

All vehicles delivering wastes to the Installation stop at the weighbridge to be weighed. Paperwork accompanying the load is checked to make sure that only authorised wastes are accepted. Any unsuitable or non-conforming wastes are rejected or, if inadvertently deposited, either reloaded onto the delivery vehicle for removal to the waste producer or suitably authorised facility or else placed in a secure quarantine area, prior to off-Site disposal.

All wastes are visually inspected upon deposit as a further measure to ensure that only authorised wastes are accepted. Records are kept of each waste load received and dispatched from the Installation. Records are available for inspection by the EA. Only wastes which have been subject to the above checks will be accepted at the Installation.

Any discrepancies found, i.e. suspect, non-conforming and/or random loads, as a result of the checks detailed above will result in the vehicle being detained whilst some, or all, of the following supplementary management decisions are taken:

- Referral to the Site Manager;
- Referral to the waste producer to confirm the nature of the waste load;
- Referral to the EA;
- Redirection of delivery vehicle off site, to a suitably authorised facility; and
- If the waste has been discharged, removal of the waste to a secure quarantine area, prior to off-site removal either to the waste producer or suitably authorised facility.

Hazardous Waste Recovery, Transfer and/or Treatment:

Prior to acceptance, each individual waste stream must be characterised to determine if it is suitable to be received at the Installation. A customer declaration is required to be completed which must provide a comprehensive description of the waste constituents. Details contained within the declaration can be and, in some cases, must be supported by additional information such as:

- SDS - chemical safety data sheets
- Chemical analysis of the waste individual constituents and their concentrations that is less than six months old and is representative of the waste
- Analytical results from sampling of waste
- Written description of sufficient to be able to assess the waste utilising WM3
- Samples taken and destined for independent laboratory and or receiving/onward transfer waste facility laboratory for their pre-acceptance
- Quantity and format
- Quotes from external facilities for onward transfer/recovery of the waste
- A description of the process generating the waste.

A sample of the waste will be required for non-WEEE waste streams at the pre-acceptance stage if insufficient analytical or characterisation information is available with the declaration to be able to characterise the waste sufficiently.

Storage of Waste (Drummed and Containerised):

Hazardous wastes are stored and treated separately from non-hazardous waste and other substances or materials. All waste is received, stored and treated in sealed buildings.

The Existing Installation area contains bespoke engineered bays designed for the storage of hazardous, flammable and non-hazardous substances which are stored in accordance with the HSE Guidance HSG 51 and HSG 71 in drums and containers, predominantly IBC's. Note that spontaneously combustible materials are not accepted and therefore are not accommodated.

Waste Paint Recovery and/or Treatment:

Mixed hazardous and non-hazardous paint wastes are accepted at the Installation with hazardous and non-hazardous paints stored and treated in separate areas to ensure there is no mixing of the two.

All paints will be de-packaged and shredded by either the proposed Attritor Plant for non-hazardous waste or by shredding and crushing of the paint containers in the relocated Paint or Aerosol Plant. Solvent-based paints will be bulked for recovery of the solvents for secondary fuels for use in the kilns for the cement industry whilst water-based paints are bulked for treatment off-Site at an authorised facility.

All waste paints are stored within the Installation in a designated area. Water based paints are stored in a bunded storage tank prior to removal from the Installation for treatment. Whilst solvent based paints are transferred to a suitably authorised facility via a bulk tanker.

Waste Aerosol and Waste Processing and Treatment:

The Installation previously operated an Aerosol Shredding Plant, with a linked extraction system to the Paint Processing Plant, however, this was damaged in a fire in 2024 and has not been operational since. This comprised of an online filtration for particulates with emission to air of propellants. This relatively small-scale operation was conducted in the same location as the paint waste activity. Due to the fire damaged sustained at the former Paint and Aerosol Plant, Aquaforce propose to relocate this activity within the Existing Installation area and has notified the EA of their intention to do so. From correspondence provided to Mabbet by Aquaforce, it is understood that the EA are agreeable to this relocation without the need for a further permit variation while waiting for the current permit variation application to be determined.

As part of the current permit variation, Aquaforce seeks to amend this activity to enable the treatment of other hazardous containerised wastes via the aerosol shredding plant.

All wastes for the aerosol/waste processing/treatment plant received at Installation may be incorporated with other wastes including paints, WEEE or fridge collections. Aerosols and waste streams suitable for processing are separated (if required), prior to the transfer to the designated storage area where they are stored in specifically designed aerosol drum containers, storage bay or container as appropriate according to waste type.

Treatment will comprise solely of separating, sorting and storage prior to dispatch for recovery to an authorised facility. Empty aerosol canisters, which may contain hydrocarbon propellants, will be delivered in 205 litre clip-top drums.

The aerosol waste shredder will be equipped with air-extraction equipment, which vents any residual propellant gases to air outside the building, and a drip tray which will collect any residual contents of the canisters. The drip tray will be periodically emptied, as necessary, into 205 litre drums for disposal off-Site. The shredded metal from the canisters will be recycled to metal-recovery contractors.

Transfer of Oily Contaminated Wastes:

Drummed and containerised oily contaminated wastes, typically consisting of oily contaminated rags, wipes, protective clothing, spill granules and absorbent materials are accepted at the Installation. Much of these waste types are received in bulk from skip or 'RO-RO' containers and are tipped directly into a specific tipping bay.

Oily contaminated material is manually sorted and separated within the confines of the designated bay, for onward treatment/disposal at an authorised site. The separation process allows identification of any non-conforming items which cannot be accepted/sent for energy recovery. Such items include large bulky items, metal wastes, aerosols or gas cylinders potentially containing explosive gases. The sorted waste is repackaged into 1,000 litre IBC containers and stored in the Waste Despatch Area awaiting transport off-Site.

Attritor Plant:

As part of the application for a Substantial Variation to the current Permit, an attritor plant is proposed to be installed in the south of the Additional Installation area to facilitate in the treatment of non-hazardous waste containers, such as plastics and cans. The attritor has a capacity of 10 m^3 and comprises of a metal drum in which materials are fed into via two screw conveyors. A schematic diagram and specifications of the attritor plant are appended to the EMS**Error! Bookmark not defined.**.

The attritor will mechanically separate and shred non-hazardous waste, typically packaging, via a dedicated plant. This will be in addition to the separation and shredding activities already carried out under Activity A12 of the Permit.

The plant is designed to remove any residual liquids from the containers which are released into a container beneath the drum. Liquids will be stored in IBC's or drums as appropriate in designated bays according to the substance type pending removal from Installation for disposal or recovery at an authorised facility.

Dry packaging will be conveyed out of the drum which is bulked up and also transferred for recovery or disposal at a suitably permitted facility. Bunding of the attritor will comprise of a 22 cm high sleeping policeman capable of containing 110 % of the maximum capacity of the attritor contents i.e. 10 m^3. The building itself will serve as tertiary containment for any spillages from the plant following upgrading of the hardstanding flooring within the Additional Installation area.

3.5 Environmental Management and Pollution Prevention Measures

3.5.1 Chemical Storage and Handling

Chemical substances/products will be stored internally across the Installation. All operations within the Existing Installation are undertaken within a roofed building with concrete flooring throughout. The Existing Installation Area is considered to be bunded by its walls, with the exception of the entrance doors, which are protected by a 40 mm cement lip intended to prevent the escape to the external areas of liquids spilled internally. Proposals for the Additional Installation Area comprise the construction of similar bunding across the building footprint.

Proposed bays to be constructed within the Additional Installation area will have the capacity to store a maximum of 20 IBC's deep with 2 across and a gap of 70 cm in between. They will be stored 2 IBC's high with the bay walls extending to 2.40 m high. Sleeping policeman bunds of 10 cm high will be installed across the entrance of new bay to contain at least 110 % of the contents of the largest container.

The entrance point to the building will comprise of a roller shutter door whilst a concrete bund at 40 mm high will be constructed across the entrance to serve as a containment measure.

Due to the nature of the operations chemical storage occurs across the entire delineated Installation area. Tables 2 and 3 overleaf describe the details of specific storage locations across the Installation including how the chemicals may be stored in each location.

Table 2: Existing Installation Area: Observed Storage and Handling of Substances

Location	Description
Waste Reception	▪ Waste reception noted to comprise the first waste storage bay on entry to the Existing Installation Area and comprises an area of concrete hardstanding used for the storage of chemicals, contained absorbents/packaging (arriving in skips), fridges/WEEE wastes, commercial fridges and other WEEE wastes and paint cans. ▪ Three (3) 1,000 litre IBCs of bulking agents noted to be stored on bunded pallet at back of the bay. ▪ Waste containers observed to be stored during Site reconnaissance visit were noted to comprise IBCs and steel/plastic drums sitting on pallets or directly on hardstanding (Photograph 12). ▪ Chemicals/wastes are stored before being transferred to designated areas throughout the Installation by trained forklift operators. All chemical transfers are undertaken in internal areas supervised by trained staff and are subject to control measures as described in Aquaforce's Environmental Management System (EMS). ▪ Aquaforce report that all a log of waste quantities currently held at this location is compiled on a Monday for the Installation and updated daily.Spill kits comprising Polyurethane (PU) foam located in vicinity. ▪ No evidence of leaks or potential containment failure noted.
Waste Chemical Storage Bays	▪ IBCs, drums and other sealed containers are stored in discrete engineered bays for the storage of hazardous, flammable and non-hazardous substances stored in reported accordance with the Health and Safety Executive (HSE) Guidance HSG 51[8] and HSG 71[9] in drums, containers and IBC's. ▪ The bays are segregated by 180 mm thick preformed concrete walls sealed with intumescent sealant which are reported to be fire resistant for 1.50 hours and impervious to liquids. The base of the bays comprise of concrete flooring which extends across the entire surface of the existing Installation. ▪ Only two (2) bays noted to have 'sleeping policeman' bunding at entrance. ▪ Some wear to concrete hardstanding within bays noted. ▪ Waste containers observed to be stored during Site reconnaissance visit were noted to comprise IBCs and steel/plastic drums sitting on pallets or directly on hardstanding. ▪ Chemicals/wastes are stored before being transferred to designated areas throughout the Installation by trained forklift operators. All chemical transfers are undertaken in internal areas supervised by trained staff and are subject to control measures as described in Aquaforce's EMS. ▪ Aquaforce report that all a log of waste quantities currently held at this location is compiled on a Monday for the Installation and updated daily. ▪ Spill kits comprising PU foam located in vicinity. ▪ Evidence of minor leaks or spills noted (Photograph 26).

[8] Health and Safety Executive, Storage of Flammable Liquids in Containers: HSG 51, Third Edition, September 2015
[9] Health and Safety Executive, Chemical Warehousing - The Storage of Packaged Dangerous Substances: HSG 71, Forth Edition, September 2009

Location	Description
Fridge Plant Area	▪ 1,000 litre capacity IBC noted to contain compressor oil and a cylinder of compressor gas removed from fridges processed through plant. Both noted to sit directly onto hardstanding. ▪ Two (2) sealed 4.00 m^3 absorber tanks containing carbon filter for chlorofluorocarbon (CFC) and cyclopentane blowing agent located in the north of the Installation. ▪ Plastic, metal and granulated PU foam from shredding of fridge carcasses collected in metal containers/bags for removal off-Site. PU also used as absorptive material for on-Site spill kits. ▪ Fridges to be processed stored adjacent to the fridge plant directly on the hardstanding. ▪ Spill kits comprising PU foam located in vicinity. ▪ Evidence of minor leaks or spills noted. ▪ Dust from breakdown of foam noted across the Fridge Plant Area.
Waste for Dispatch Area	▪ **Freon Store:** Closed refrigerated Freon Store containing two (2) 205 litre drums sitting on concrete hardstanding (Photograph 19) ▪ **Toxic/Oxidiser Cages:** Closed 800 litre waste cages noted to contain drums and containers for removal off-Site. Containers sitting directly on pallets within bunded cages (Photograph 17). ▪ **Cylinder Storage:** Closed gas cylinder store containing gas cylinders and drums containing smaller gas canisters/cylinders noted to sit directly on hardstanding (Photograph 18). ▪ **Asbestos Storage:** Asbestos waste sealed in plastic bags/wrappings stored in enclosed roll on/off skip. ▪ Aquaforce report that all a log of waste quantities currently held at this location is compiled on a Monday for the Installation and updated daily. ▪ Waste containers observed to be stored during Site reconnaissance visit were noted to comprise IBCs, bags, steel/plastic drums and skips sitting on pallets or directly on hardstanding. ▪ Wastes are either loaded into vehicles for off-Site removal by trained forklift operators or skips are directly loaded onto vehicles for offsite removal. All chemical transfers are supervised by trained staff and are subject to control measures as described in Aquaforce's EMS. ▪ Concrete hardstanding across this area was noted to be significantly degraded in places. ▪ Evidence of leaks or spills noted (Photograph 21).

Table 3: Additional Installation Area: Observed/Proposed Storage and Handling of Substances

Location	Description
Boiler Room	▪ Double skinned 1,135 litre capacity Gas Oil tank sited on platform above concrete hardstanding connected to Steam Boiler via copper pipework. ▪ Tanks checked by staff on a daily basis as part of routine maintenance checks across the Installation. ▪ No evidence of leaks or potential containment failure noted.
Maintenance Room	▪ Upon delivery assorted oils (205 litre drums) and Ad-Blue (1,000 litre IBC and 205 litre drum) are transferred by trained staff to the Maintenance Room where they are stored on bunded pallets (Photographs 9, 10 and 11). Storage, usage and handling procedures are subject to control measures as described in Aquaforce's EMS. ▪ Chemicals are stored in the primary packaging, i.e. drums or IBC's and dispensing only occurs when required. ▪ Spill kits noted within vicinity. ▪ Low volume of lubricants (Wd-40) and cleaning supplies in liquid form are stored within the workshop in an ad hoc manner, with some stored in metal containers/cupboards and some with no specific storage location. Poor housekeeping was acknowledged by Aquaforce in this area. ▪ No evidence of leaks or potential containment failure noted. ▪ Containers and bunding by staff on a daily basis as part of routine maintenance checks across the Installation.
Diesel Tank	▪ Double skinned 1,135 litre capacity diesel tank sited on platform above concrete hardstanding with filler hose connected. ▪ Tanks reported to be checked by staff on a daily basis as part of routine maintenance checks across the Installation. ▪ No evidence of leaks or potential containment failure noted.
Waste Chemical Storage Bays	▪ Proposed to be constructed within the central area of the Additional Installation Area ▪ Proposal includes for the construction of new storage bays fitted with 150 mm wide precast concrete bund walls 2,400 mm high and sealed at the bottom to prevent leaking into adjacent bunds. ▪ Mabbett understands proposals also include for the additional construction of internal bunding across the building footprint occupied by the Additional Installation area.
Attritor Plant	▪ Proposed to be constructed within the southern area of the Additional Installation area ▪ An attritor plant is proposed be installed to facilitate in the treatment of non-hazardous waste containers such as plastics and cans. ▪ The plant is designed to remove residual liquids from the containers which are released into a container beneath the drum. Liquids will be stored in IBC's or drums as appropriate in designated bays according to the substance type pending transferal off-Site for disposal or recovery at an authorised facility. ▪ Dry packaging is to be crushed, passed through paddles and centrifuged before being conveyed out of the drum and bulked up prior to transferral for recovery or disposal to a facility licenced to do so according to packaging type. ▪ Bunding will encompass the plant and will comprise of a 22 cm 'sleeping policeman' capable of containing 110 % of the maximum capacity of the attritor contents i.e. 10 m^3. The walls of the building will additionally serve as tertiary containment for any spillages from the plant.
Dirty Lab and Sample Store	▪ Proposed to be located within the north area of the Additional Installation area. ▪ Considered likely to comprise low volume chemical storage in accordance with Control of Substances Hazardous to Health (COSHH) requirements and regulations.

Appendix B contains details relating to the various substances stored at each location. The following assumptions in relation to chemical storage locations are applicable:

Existing Installation Area:

The following changes to chemical storage are noted to be proposed:

- A new Paint and Aerosol Plant will be relocated adjacent to the existing Airbag, WEEE and Waste Chemical Storage Area following the fire in the existing Paint and Aerosol Plant.

Additional Installation Area:

The following changes to chemical storage are noted to be proposed:

- A new Waste Storage Area (hazardous and non-hazardous waste) will use RHS not previously present within this area.
- A new Dirty Lab and Sample Store will use RHS not previously present within this area.
- A new Attritor Plant and associated skip tipping bays will use RHS not previously present within this area.

Mabbett has adopted the assumptions and approach outlined above in order to facilitate progression of the SCR. However, it is recommended that Aquaforce provide confirmation that these are appropriate. An **ACTION ITEM** is noted for Aquaforce to provide this confirmation. Should any of the assumptions be unreflective of Installation conditions or procedures then a revision to the risk assessments contained herein may be required.

3.5.2 Environmental Management

Aquaforce report that they are committed to demonstrating good practice through their ISO 14001:2015 accredited EMS. EMS procedures are described in their EMS Manual[10]. The procedures outlined in the EMS Manual will be extended to cover the additional Installation area and processes.

A range of environmental management measures and Pollution Prevention Measures (PPM) that are considered by Aquaforce to comprise Best Available Techniques (BAT) are in place at the Installation to control operations and prevent pollution to the environment during the permitted activities. These include:

- Documented waste acceptance and management procedures;
- Documented waste tracking system;
- Spill kits available throughout the Installation;
- Documented procedures in place for chemical storage, waste management and management of spills;
- Planned Preventative Maintenance including regular inspection of tanks, hardstanding, chemical storage areas, etc; and
- Training programmes include spill training, awareness of permitted waste types accepted and emergency response procedures, etc.

The PPM and BAT processed currently in place will be extended to cover the additional Installation area and processes.

3.5.3 Surface Conditions

The reconnaissance survey undertaken has been used to provide information on the surface conditions across the Installation area. Observations are as follows:

Existing Installation Areas:

The main Installation area, inclusive of the Waste Reception, Waste Chemical Storage, Fridge Plant and Storage, the Waste Dispatch Area and Paint and Aerosol Plant comprise the current STU and DAA for the Installation.

[10] Crestwood Environmental Ltd, Environmental Management System, Reference: CE-FA-1921-RP01-EMA-Final v2, 19 June 2023

Mabbett understands from Aquaforce that surface conditions have comprised concrete hardstanding flooring across the Installation since operations began in 2002. Aquaforce reported that the concrete within the Unit 4 building is recorded to be approximately 250 mm thick.

The reconnaissance survey undertaken by Mabbett included a visual review of surface integrity at the Installation and does not comprise a comprehensive Surface Integrity Risk Assessment. It should be noted that the Paint and Aerosol Plant was not accessible due to damage caused by a fire earlier in 2024, however this area is not currently operational and will require significant renovations prior to reopening. From discussions with Aquaforce, Mabbett understands that renovation of this area, inclusive of new hardstanding flooring is proposed, with a view to future reuse. Observations from the assessment have been included throughout this report where relevant and a photographic log is provided in Appendix C.

Concrete hardstanding within the Unit 4 area was noted to be in generally good condition in the vicinity of the Fridge Plant, absorbers and in generally reasonable condition elsewhere, however areas of wear and tear and erosion was noticeable. The majority of superficial cracks which did not appear to extend through the full thickness of the hardstanding and erosion apparently as a result of general wear and tear were noted in the eastern area of the Installation within the fridge storage area, chemical storage bays and skip tipping bays (Photograph 27).

Concrete hardstanding within the Waste for Dispatch Area (which while located within the same warehouse building is separated from Unit 4 via an internal wall) was recorded to be in very poor condition with areas noted to be significantly degraded likely as the result of vehicle/skip movements. Evidence of significant erosion was observed in several locations within the Waste for Dispatch Area (Photographs 16 and 20).

An **ACTION ITEM** is noted for a recommendation of a detailed Surface Integrity Risk Assessment of internal and external surface conditions.

Additional Installation Areas (Internal):

Mabbett understands from discussions with Aquaforce that this area has comprised concrete hardstanding flooring since they have occupied the building in 2019.

The reconnaissance survey undertaken by Mabbett included a visual review of surface integrity at the Installation. Observations from the assessment have been included throughout this report where relevant and a photographic log is provided in Appendix C).

The existing hardstanding floor was noted to be in variable condition with areas of good quality hardstanding noted alongside areas where wear/erosion was evident. Numerous areas of erosion were noted, which in some cases exposed brick work underlying approximately 100 mm of concrete (Photographs 6 and 7). Aquaforce have confirmed they are unaware of the concrete thickness across the additional area. Two (2) vehicle inspection pits were also noted in the south of the building adjacent to the roller doors (Photograph 4).

Aquaforce have confirmed that as part of their Permit variation, their intention is to install new flooring across this area to include for internal bunding across the footprint of this section of the existing building.

An **ACTION ITEM** is noted for a recommendation of a detailed Surface Integrity Risk Assessment comprising a visual assessment of internal and external surface conditions.

Additional Installation Areas (External):

Mabbett understands from Aquaforce that this area has comprised concrete hardstanding for approximately the last 10 years, before this time this area was surfaced in hardcore.

The reconnaissance survey undertaken by Mabbett included a visual review and assessment of surface integrity at the Installation. Observations from the assessment have been included throughout this report where relevant and a photographic log is provided in Appendix C.

The external area to be included as an addition to the Permit boundary currently comprises an area of concrete hardstanding used for storage of empty IBCs, silos and waste bins and vehicular access to the existing Installation Area. An area of what appeared to be hardcore was recorded in the south of this area adjacent to the office building where a number of old IBCs, tanks and other materials were stored (Photograph 3).

The condition of the existing hardstanding is noted to vary across the additional area, with a high number of superficial cracks, areas of general wear and tear and areas of more significant erosion (Photograph 1).

An **ACTION ITEM** is noted for a recommendation of a detailed Surface Integrity Risk Assessment comprising a visual assessment of internal and external surface conditions.

3.6 Installation Drainage

Two (2) distinct drainage networks are present adjacent to the Installation area comprising a system for storm water drainage and soil water drainage. The drainage network layout is shown on Drawing L-4: 'Drainage Layout' appended to this report.

Aquaforce report that this comprises the drainage network which extends across the wider Sprint Industrial Estate and that the routine maintenance or inspection of this drainage system is not undertaken by themselves as lease holders. There is anecdotal evidence of historic issues related to the efficiency of the storm drain network. Aquaforce report that the Installation does not directly discharge to any drainage network.

Surface Water Drainage

Aquaforce confirmed that no surface water drainage is present within the existing Installation area.

A Soil Drainage network is shown on Drawing L-4, this is not indicated to be present within the Existing Installation Area but is shown to be present either along the Permit boundary of the southernmost Additional Installation Area or immediately adjacent to this, orientated east to west. Visual assessment of this area by Mabbett engineer Jonathan Dunn did not identify the gulleys or manholes indicated to belong to this drainage network from the available plan.

No data or information, e.g. a Closed Circuit Television (CCTV), survey is available on the current condition of the subsurface drainage pipe network.

Storm Water Drainage

Aquaforce are of the understanding that the storm drainage network present below the Installation areas discharges into the local drainage network; however the point of discharge is currently unknown and potentially may discharge into a nearby surface water body. Aquaforce confirmed that no discharges to this drainage network currently take place and no future discharges are proposed.

Visual assessment of this area by Mabbett engineer Jonathan Dunn did identify gullies and manholes belonging to this drainage network within the additional Installation area.

No data or information, e.g. a CCTV, survey is available on the current condition of the subsurface drainage pipe network.

An **ACTION ITEM** is raised for the confirmation of the drainage network condition.

3.6.1 Incident Records and Response Plan

Aquaforce operate a range of management systems to maximise the quality of their operations while minimising potential environmental impacts of the plant. Incident records are held at the Installation as part of Aquaforce's EMS**Error! Bookmark not defined.** which is aligned to ISO 14001:2018. BAT for the Installation is described within the Technical Standards - BAT Assessment[11].

[11] Mabbet & Associates Ltd, Technical Standards - BAT Assessment, Ref:. 315994, 29 July 2024.

Aquaforce's Emergency Action Plan is detailed within Appendix 17 of their EMS and details the procedure that should be followed in the event of an incident including accidental releases of emissions from various high-risk areas and activities.

Should a situation occur an investigation is conducted in line with the Accident Management Plan within the EMS.

Incident records pertaining to two (2) fires which have occurred within the Existing Installation Area are included in Appendix E.

3.6.2 Emission Points

No effluent is discharged directly from the Installation, however, the storm drainage network for the wider industrial estate is noted to run through the Installation areas. Any effluent generated by Installation processes will be transported off-Site by an effluent treatment company for disposal.

It is understood that the emissions to air currently take place from three (3) air emission points A1, A2 and A3.

Emission point A1 comprises an exhaust stack emission to atmosphere from the WEEE plant. Emission point A2 is from a combined single stack from the aerosol and paint plant and paint processing plant and emission point A3 from the steam raising boiler.

Emission points A1 and A2 are monitored quarterly for total particulate matter, particulate matter fraction PM10 & PM2.5, CFCs, and volatile organic compounds. Flowrate and temperature will also be monitored at these emission points. There are no set parameters or limits for the monitoring of A3.

Although it is proposed that emission point A2 moves location, the same abatement and emission prevention measures will be in place. The same monitoring requirements are also stipulated for this emission point.

3.7 Potential Emission of Pollutants

The following circumstances have been identified where emission to the environment of a RHS or potential pollutant may occur during operation under the Permit

Accidents/Incidents:

- Discharge via the local drainage system were storm/soil water drains to become compromised;
- Discharge during movement of substances/waste to and from point of use/processing;
- Rupturing of substance/waste containment (i.e., containers, bulk storage, bunds etc.) resulting in permeation through cracks/holes in hardstanding to the soil environment;
- Accidental discharge/spillage of chemicals during movement or operations resulting in permeation through cracks/holes in hardstanding to the soil environment; and/or
- Discharge to soil environment through spillage onto poor quality surfaces;

Routine Operations:

- Small spills during substance/waste handling; and/or
- Spills from overfilling of IBC containers, storage vessels etc

3.8 Installation Specific Characteristics - Conclusions

Sections 2.0, 3.0 and 4.0 of this SCR summarise the most pertinent information relating to materials and Installation-specific characteristics. The proposed permit variation will result the incorporation of an Additional Installation area potentially introducing RHS. Although additional waste codes are proposed within the permit variation is considered unlikely that this will result in wastes with additional hazardous properties accepted by the Installation. As such, it is considered that the any potential RHS will not differ from those potentially present within the Existing Installation area.

Aquaforce has reported that upgrades regarding the containment of substances, i.e. internal and secondary bunding will be installed within the Additional Installation Area.

The Installation employs a number of waste management procedures and propose to undertake the works associated with the expansion in capacity with the minimisation of pollution risk as a significant consideration.

Substances identified to have the potential to cause pollution are stored in appropriate packaging with their handling and use carefully controlled. All spillages are contained by the impermeable concrete hardstanding, although the condition of this surfacing is noted to vary across the Existing Installation Area. The whole operational area is bunded by its walls, with the exception of the entrance doors, which are protected by a 40 mm cement lip.

3.9 Substances Relevant to Statement of Site Condition

Following the review of the information presented above and presented within Appendix B, a large range of substances considered likely to be represented within the accepted waste streams are, by reason of their properties and Installation-specific usage and handling, to be considered in the assessment and subsequent derivation of the Statement of Site Condition.

Section 4.0: Stage II - Installation and Surrounding Area History

4.1 Installation Historical Impact

4.1.1 Historical Map and Photography Review

Historical maps available from 1884 to 1995 have been reviewed from www.oldmaps.co.uk[12]. It should be noted that gaps in the historical map information may exist and therefore the Installation may have been in an unrecorded use at sometime between these dates. Installation usages, noted during the periods covered by the maps, are discussed in the table below:

Table 4: Historical Installation Usage

Dates	Installation Usage	Likelihood for the occurrence of Relevant Hazardous Substances (RHS)
1884-1924	The Installation is predominantly agricultural land and plantations.	RHS generally unlikely to be co-incident with those proposed to be used within the Installation.
1954	The Installation is partially occupied by two (2) buildings which are similar in configuration to those in the modern day Installation. Adjacent land to the immediate north and north-east contain buildings inferred to be the early stages of the Sprint Industrial Estate	RHS generally unlikely to be co-incident with those proposed to be used within the Installation.
1958-1968	The buildings present are marked as 'works' and those to the north-east are labelled as 'factory'.	RHS may be co-incident with those proposed to be used within the Installation.
1967-1995	The buildings present are indicted to be similar to the current layout and the industrial estate appears to be fully established by the 1980s.	RHS may be co-incident with those proposed to be used within the Installation.

The layout of the Site appears to not have significantly changed since the publication of the 1995 survey map and it is noted that Aquaforce have occupied the Existing Installation Area since 2002.

4.1.2 Additional/Anecdotal Information

Prior to Aquaforce leasing the Site it is understood to have been used as a battery production factory by Ever Ready Company (GB) Ltd, however, we have been unable to ascertain exact dates during which this facility was operational on-Site or any operational details. It is expected that during the use of the site by Ever Ready and potentially prior, similar chemicals present within waste accepted at the Installation currently may have been used and retained.

4.2 Historical Pollution Incidents Affecting Installation Condition

The Groundsure report obtained by Crestwood provides details of nine (9) reported pollution incidents on-Site or within 500 m of the Site's boundary. The details are provided in the below table.

Table 5: Pollution Incidents within 500 m of the Site

Distance and Direction from Site	Incident Date	Incident ID	Pollutant and Pollutant Description	Impact		
				Water	Land	Air
On Site	15/11/2002	121141	Contaminated water/Firefighting Run-off	No	No	No

[12] Historic map information utilised from Site Condition Report, Crestwood Environmental Ltd, 01 June 2022.

Distance and Direction from Site	Incident Date	Incident ID	Pollutant and Pollutant Description	Impact		
				Water	Land	Air
242 m North	25/06/2003	172276	Oils and fuel/Gas and fuel oils	No	Minor	No
273 m southeast	01/10/2002	111837	Atmospheric pollutants and effects/smoke	No	No	Minor
367 m north	17/02/2002	58803	Organic chemicals or products/ other organic chemical or product	No	No	Minor
388 m east	13/01/2003	130689	Inorganic chemicals or product /cement	Minor	Significant	No
417m north	28/08/2001	27183	Organic chemicals or product/ Phenols and creosote	No	No	No
429 m north	14/09/2002	107865	Organic chemicals or product/ Phenols and creosote	No	No	No
441 m southeast	03/06/2002	82663	Oils and fuels/Gas and fuel oils	Minor	No	No
479 m north	07/10/2001	35057	Organic chemicals or products/ Solvents	No	No	Minor

Aquaforce have an emergency spillage procedure in place as set out within their EMS**Error! Bookmark not defined.** which incudes for spills other than minor occurrences to be reported to the Environment and recorded in the site diary as soon as reasonably possible.

Aquaforce confirmed two (2) fires have occurred within the Existing Installation Area on 13 February 2024 (Paint and Aerosol Plant) and 10 June 2024 (Skip Tipping Bay). Both were reported under Schedule 5 Notifications with records included in Appendix E. Aquaforce confirmed at the time of the fire in the Paint and Aerosol Plant less than 10 1,000 litre IBCs of aerosols and paints cans/tins waiting to be processed were present in this location.

4.3 Surrounding Area Historical Impact

4.3.1 Historical Map and Photography Review

Historical maps and aerial photographs dating from 1884 to 1995 have been reviewed from www.oldmaps.co.uk[12]. Key property usages noted during the periods covered by the maps and the likelihood of potential sources of RHS within the surrounding area are discussed in the table below:

Table 6: Historical Surrounding Area Usage

Dates	Surrounding Area Usage	Substances Potentially Present	Potential RHS Y/N
1884-1903	The area surrounding the Installation is predominantly agricultural land and plantations. A railway line is present to the west and the current day Station Road runs parallel to the southern boundary of the Installation. There is a notable absence of buildings.	Fuel oils, Polychlorinated Biphenyls (PCBs), Polycyclic aromatic hydrocarbons (PAHs), solvents, creosote, herbicides, heavy metals and asbestos[13]	Y

[13] Department of Environment Industry Profile, Railway Land, 1995.

Dates	Surrounding Area Usage	Substances Potentially Present	Potential RHS Y/N
1923-1924	An unspecified chemical works is located to the north-west of the Installation adjacent to the railway.	Heavy metals, Total Petroleum Hydrocarbons (TPHs), PAHs, Volatile Organic Compounds/ Semi-Volatile organic Compounds (VOC/SVOCs), solvents, chlorinated solvents, phenols, acids, alkalis, inorganics, alcohols	Y
1958-1968	The industrial estate has expanded further northwards. Evidence of further, presumed commercia/industrial, developments is noted further from the Installation.	As previous	Y
1966-1977	An engineering works is adjacent to the east beyond which is noted as a carbon works. A tar and chemical works is located to the north of the Installation and various buildings within the estate are labelled as warehouses.	Aromatic hydrocarbons, TPHs, PAHs, phenols, cresol, xylenols, nitrogen compounds, organo-sulphur compounds, acids and alkalis[14]	Y
1989-1995	Further industrial units were constructed on the opposite side of Station Road to the south of the Installation.	As previous	Y

It is noted through online research[15], that Midlands Tar Distillers built a refinery within the Four Ashes Estate, located to the east/northeast of the Installation, in the 1950s. This facility allowed for the refining of tar acids and the production of cresols, xylenols and cresylic acids. It is considered that the identified carbon and tar works within close proximity to the Installation are reflective of these operations. The tar acids extraction plant at the Four Ashes site was noted to have ceased operations by 1972, however the tar acid distillation plant is understood to have remained operational until the mid to late 1970s.

It is considered that the tar distilling works could be a potential source of contaminants such as hydrocarbons, phenols, cresol, xylenol, nitrogen compounds, organo-sulphur compounds, acids and alkalis. The identified potential contaminants may be co-incident with some substances used under the permitted activities at the Installation.

4.4 Previous Site Investigations

From discussions with Aquaforce it is understood that no site investigations have been undertaken within the proposed delineated Installation boundary during the period they have been operational.

4.5 Installation Baseline Condition

From discussions with Aquaforce it is understood no baseline condition assessment was undertaken prior to commencement of their current Permitted activities.

4.6 Public Register Information

A Groundsure Report containing public register information for the Installation and its surrounding area was reviewed to inform the environmental setting within 250 m of the Installation. The report is presented in Appendix F and the findings are summarised below.

[14] Department of Environment Industry Profile, Gas Works, Coke Works and other Coal Carbonisation Plants, 1995
[15] Black County History, [available at www.blackcounrtyhistory.org/collections/getareord/GB146-BS-MY], accessed 16/07/24.

4.6.1 Local Surrounding Area Usage

The Installation lies within the Sprint Industrial Estate which includes several commercial properties generally situated in low rise warehouse style buildings. The S1 Group Chemical Manufacturing Works is located to the north of the Installation and comprises a number of warehouse style buildings, aboveground tanks and what appears to be a waste water treatment plant (WWTP). The surrounding area within the Sprint Industrial Estate and neighbouring Four Ashes Industrial Estate generally all comprise hardstanding of various ages and degree of wear. A railway line orientated north to south is also located approximately 50 m to the west of the Installation.

Table A included in Appendix G provides details on the recent industrial land uses recorded in the Groundsure Report within 250 m of the Installation boundary.

The Groundsure Report records three (3) Pollution Inventory Waste Transfer of controlled wastes within 500 m of the site. The Operators are indicated to be Aquaforce Special Waste Limited (i.e. On-Site), Srci Limited located 190 m east of the Installation and SI Group UK limited located 397 m north of the Installation.

One (1) current Control of Major Accident Hazards (COMAH) site was recorded 61 m to the north of the Installation, operated by SI Group UK Limited.

There are no records held for the following industrial land uses within 250 m of the Installation:

- Current or recent petrol stations
- Electricity cables
- Gas pipelines
- Sites determined as Contaminated Land[16]
- Regulated explosives sites
- Hazardous Substance Storage/Usage
- Pollution Inventory Radioactive waste records

4.6.2 Licensed Industrial Activities (Part A(1))

The following table presents available information on Licensed Industrial Activities within the vicinity of the Installation. It is noted that three (3) represent activities undertaken by Aquaforce within the existing Permitted Installation boundary.

Table 7: Licensed Industrial Activities

Distance and Direction	Operator	Process	Substances Potentially Present	Potential RHS Y/N
34 m northwest	Thermal Recycling (UK) Ltd	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving recycling or reclamation of inorganic materials other than metals or metal compounds	Asbestos	Y
76 m northwest	Aquaforce Special Waste Limited	Disposal or recovery of hazardous waste with capacity exceeding 10 tonnes per day involving repackaging prior to submission to any of the other activities listed in this section or in section 5.1	Metals, paints, solvents, TPHs, PAHs, fuel oils, petrol, diesel, PCBs, asbestos	Y
		The incineration of hazardous waste in an incineration or co-incineration plant with a capacity exceeding 10 tonnes per day		Y

[16] Part 2A Environmental Protection Act, 1990.Y

Distance and Direction	Operator	Process	Substances Potentially Present	Potential RHS Y/N
		Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment		Y

4.6.3 Licensed Pollutant Release (Part A (2)/B)

The following table presents available information on Licensed Pollutant Releases into the environment within 500 m of the Installation. No enforcements have been notified on any of the listed operators.

Table 8: Part A(2) and Part B Installations

Distance and Direction	Operator and Address	Details	Substances Potentially Present	Potential RHS Y/N
74 m southeast	Powerwave (UK) Ltd, Enterprise Drive, Four Ashes, Wolverhampton, WV10 7DB	Process: Manufacture of Clay Status: Historical Permit Permit Type: Part B	Fuel oils, diesel, petrol	Y
76 m southeast	Filtronic Comtek (UK) Ltd, Enterprise Drive, Four Ashes, Wolverhampton, WV10 7DB	Process: Mineral Drying Status: Historical Permit Permit Type: Part B	Fuel oils, diesel, petrol, lubricants	Y
458 m east	Hope Construction Materials, Enterprise Drive, Four Ashes, WV10 7DF	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Fuel oils, diesel, petrol, lubricants	Y

4.6.4 Historical Industrial Land Uses

The Installation has been located adjacent to a railway line since at least the late 1800s and within a largely industrial area since the early 1920s when a chemical works was recorded to the north. From the early 1950s industrial properties were developed within and surrounding the Installation and were noted to include a number of 'works' and 'factories'. A tar and chemical works, which are considered likely to have been Midlands Tar Distillers, were recorded to be present to the north of the Installation from the 1960s.

Table B included in Appendix G provides details on the historical industrial land uses recorded in the Groundsure Report within 100 m of the Installation boundary:

4.6.5 Historical Tanks

A number of historic tanks have been identified within the Installation and immediately surrounding area since the 1950s. While the Groundsure Report indicates the presence of these historic features, no indication is provided for what substances were stored. As such a broad range of substances may have been stored within the Installation and immediately surrounding area.

The Groundsure Report indicates that three (3) unspecified tanks were located within the proposed Installation boundary between 1975 and 1988, with an additional 27 tanks/unspecified tanks also recorded within 100 m between 1957 and 1990. The majority of these tanks were located to the north or northwest of the Installation and are conjectured to have likely belonged to the chemical works indicated from historical maps.

As the Groundsure Report does not include an indication of what substance were stored in the tanks a conservative assumption would be that many possible substance, for example fuel oils, petrol, diesel etc may be present as a result. Substances potentially similar to those considered to be RHS arising from Permitted activities may have been released and be present within Installation soils or groundwater.

4.6.6 Historical Energy Features

The Groundsure Report indicates that 16 historical electricity substations were present within 250 m of the Installation boundary between 1975 and 1990. A conservative assumption would be that any associated contaminants, for example hydrocarbons and PBCs would be considered as a potential RHS.

The following historical features have not been identified within 250 m of the Installation boundary:

- Petrol filling stations
- Garages
- Military land

4.6.7 Waste and Landfill

Tables C, D and E included in Appendix G presents available information on waste or landfill facilities within the vicinity of the Installation.

4.7 Installation History - Conclusions

A review of the history of the delineated Installation area and surroundings has been undertaken in order to identify whether RHS proposed to be used at the Installation are likely to be present within the ground or underlying groundwaters as a result of historical use.

Available information does indicate that identified substances used or proposed for use within the Existing and Additional Installation areas are likely to be present within underlying soils or groundwaters originating from sources other than previous Installation activities. While no baseline studies were undertaken in support of the original permit application to confirm this, given the industrial usage of the site prior to the permitted activities taking place and the past/current industrial nature of the surrounding area, the possibility of identified substances being present within underlying soils or groundwaters cannot be ruled out without confirmatory intrusive site investigations.

An **ACTION ITEM** is raised to undertake intrusive site investigations to assess the relative concentrations of the identified RHS within the Existing Installation area and to provide baseline concentrations within the Additional Installation Area.

Section 5.0: Stage III - Environmental Setting

5.1 General

A review of the environmental setting has been completed in order to identify relevant environmental receptors that are potentially at risk and whether there are other activities in the area which may release the same substances and cause these to migrate onto the Installation.

The following available published environmental and geological has been reviewed to determine the environmental setting of the Installation and the immediate surrounding area. The information reviewed includes:

- British Geological Survey, Wolverhampton, England and Wales Sheet 153, Bedrock and Superficial Deposits, 1: 50,000, 2001;
- The Coal Authority interactive map viewer (as viewed on (as viewed on 17 July 2024);
- British Geological Survey GeoIndex viewer (as viewed on 17 July 2024);
- Groundsure Report (contained in Appendix F); and
- DEFRA Magic Map on-line viewer (as viewed on (as viewed on 17 July 2024).

5.1.1 Installation Setting

The Installation is located within the Sprint Industrial Estate, immediately adjacent to the Four Ashes Industrial Estate and approximately 10 km north of Wolverhampton city centre. The Sprint Industrial Estate comprises a number of commercial properties including a plumber's merchant, plant and vehicle hire centre and scrap metal yard. The Installation comprises a single warehouse building, two (2) separate office buildings and an area of currently vacant land in the south.

5.1.2 Topography

The Installation is generally flat lying, at an elevation of around 100 m Above Ordnance Datum (mAOD), ranging from about 103 mAOD at the north of the Permit boundary to 102 mAOD in the vacant land at the southern Permit boundary. The surrounding area is also noted to be generally flat lying.

5.1.3 Surface Workings

Historical land uses comprising activities involving ground excavation at the surface can often be of important significance in terms of contamination as they are often subject to backfilling: the composition of which is often unknown and can cause contamination. Details of some of the those within 250 m of the Installation are listed below:

- Cuttings 184 m northwest in 1883; and
- Cuttings 200 m northwest between 1978-1994.

5.2 Environmental Designations

There is one (1) Site of Special Scientific Interest (SSSI) located 182 m southwest of the Installation for the Four Ashes Pit. One (1) record of Green Belt is located 37 m to the west of the Installation.

Two (2) records, both indicated as being located on-Site, are held on-site for a Nitrate Vulnerable Zone (NVZ) relating to River Trent (source to confluence with Derwent) for surface water and Staffordshire for groundwater. Four (4) additional records are presented for the same NVZs within 1.00 km of the Installation.

No other environmental designations are located within 2.00 km of the Installation.

5.3 Visual and Cultural Designations

One (1) record is held for Conservation Areas relating to the Staffordshire and Worcester Canal located 235 m to the northeast of the Installation.

5.4 Agricultural Designations

The agricultural land classification takes into consideration multiple factors including climate, physical geography, and soil properties. The land on-Site and within the surrounding area is classified as Grade 3 good to moderate quality agricultural land.

5.5 Geology

5.5.1 Superficial Geology

Geological maps from the British Geological Survey (BGS) provide information on the expected geological conditions underlying the Site. The superficial geology comprises Glaciofluvial deposits characterised by undifferentiated sand, pebbly sand and gravel with silty clayey horizons, most likely underlain by Devensian Till deposits which are typically characterised by poorly sorted and unstratified deposits.

A historical borehole record[17] from approximately 190 m northeast of the Installation indicates that the superficial deposits comprise glacial sand and gravel to 2.40 m depth. Made ground described as a 'chaotic mixture of topsoil, gravel and brick' is recorded to 0.90 metres below ground level (mbgl) underlain by a dense grey sand and gravel to 2.40 mbgl.

The BGS maps do not indicate that artificial or made ground should be present beneath the Installation. The nearest artificial ground is located approximately 235 m southwest. However, due to the industrial history of the Installation and immediately surrounding area, it is considered likely that made ground is present beneath the Installation area.

5.5.2 Solid Geology

The BGS solid geology maps indicate that the Installation is underlain by the Wildmoor Sandstone Member which is described as generally silty or argillaceous, fine to medium grained, orange to red sandstones with subordinate siltstone and mudstone.

A historical borehole record[17] from approximately 190 m northeast of the Installation recorded conjectured rockhead at a depth of 2.40 mbgl, proven top 2.60 mbgl. The strata was described as dense/cemented brown sand with some gravel and traces of clay and was referred to as the Sherwood Sandstone.

The Installation is not located in a Coal Mining Reporting Area as outlined by The Coal Authority.

5.6 Hydrology and Hydrogeology

5.6.1 Surface Water

Three (3) surface water features are recorded within 250 m of the Installation. An unnamed reservoir or lake is located approximately 164 m south of the Installation with the Saredon Brook (water body ID: GB104028046740), a tributary of the River Penk, located approximately 172 m to the south of the Installation at its nearest point. The Saredon Brrok is indicated to flow east to west and to confluence with the River Penk approximately 2.00 km to the west of the Installation.

The Staffordshire Canal (water body ID: GB70410266) is also located approximately 243 m to the northeast of the Installation at its nearest point, however, as canals are typically constructed with a clay or concrete lining it is considered that this surface water feature is unlikely to be in hydrogeological connectivity with any superficial or bedrock aquifer.

In terms of the Water Framework Directives (WFD), the Installation falls under the water body catchment of Saredon Brook from Source to River Penk. The operational catchment is Penk Rivers and Lakes whilst the management catchment is Trent Valley, Staffordshire.

[17] BGS, Borehole Records, BGS ID:179491 BGS Reference: SJ90NW65, Available at: https://api.bgs.ac.uk/sobi-scans/v1/borehole/scans/items/179491, Accessed: 17 July 2024.

Under the WFD, environmental objectives have been set for each water body and reported on in six-year periods. The most recent report carried out in 2022[18] states that the chemical rating for the Saredon Brook and the Staffordshire and Worcester Canal as 'fail' whereas the ecological and overall ratings are 'moderate'.

5.6.2 Licensed Discharges to Controlled Waters

The table below provides details on licensed discharges to controlled waters recorded in the Groundsure Report within 500 m of the Installation boundary:

Table 9: Discharges

Distance and Direction	License Holder	Details	Status
485 m southeast	Enterprise Way, Four Ashes, Wolverhampton	Trade Discharges - Site drainage into the Saredon Brrok	Issued 31/07/19920 and revoked 17/7/2015
488 m southeast	Four Ashes Industrial Estate SWS, Four Ashes, Wolverhampton	Miscellaneous Discharges - Surface waters into the Saredon Brrok	Issued 21/04/1983 and revoked 05/10/2010

5.6.3 Superficial Aquifer

The superficial geology underlying the Installation contains a Secondary A aquifer described as 'permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.' A Secondary Undifferentiated aquifer is also recorded 4.00 m to the south east of the Installation.

5.6.4 Solid Geology Aquifer

The solid geology contains the principal aquifer understood to comprise the PT Sandstone Staffordshire aquifer, which the EA classified as having an overall 'poor' status in 2019[19]. The aquifer is described as a 'geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale'.

5.6.5 Anticipated Groundwater Conditions and Hydraulic Gradient

The Groundsure Report includes records on groundwater vulnerability which comprises an assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one-kilometre square grid. The summary presented for below the Installation is shown in the table below.

Table 10: Groundwater Vulnerability

Summary	Soil/Surface	Superficial geology	Bedrock Geology
Secondary superficial aquifer – **high vulnerability**	Leaching Class: **High** Infiltration Value: **>70%** Dilution Value: **300-550 mm/year**	Vulnerability: **High** Aquifer Type: **Secondary** Thickness: **3-10 m** Patchiness Value: **>90%** Recharge Value: **Low**	Vulnerability: **Low** Aquifer Type: **Principal** Principal Flow Mechanism: **Mixed**

[18] Environment Agency Catchment Data Explorer, Saredon Brook from Source to River Penk Water Body, Available at: https://environment.data.gov.uk/catchment-planning/WaterBody/GB104028046740, Accessed: 17 July 2024.

[19] Environment Agency Catchment Data Explorer, Staffordshire Trent Valley-PT Sandstone Staffordshire Water Body, Available at: https://environment.data.gov.uk/catchment-planning/v/c3-planWaterBody/GB40401G300500, Accessed: 17 July 2024.

The Installation is recorded to be located within a Zone 3 Groundwater Source Protection Zone as the total catchment area is classified as being sensitive to contamination. Despite this, the bedrock geology is classified as having a low vulnerability whilst the superficial geology has a high vulnerability. This is due to the presence of superficial deposits that provide the bedrock with protection from pollution coupled with the high leaching class of the soils which enable the transmission of pollutants to the superficial aquifer.

It is considered likely that the hydraulic gradient may flow towards the Saredon Brook located to the south of the Installation, however, this has not been confirmed and intrusive investigation is required to clarify the hydraulic gradient of groundwater beneath the Site.

It is considered likely that groundwater within the superficial deposits is likely to be in connectivity with the underlying bedrock aquifer.

5.7 Environmental Receptors

A review of the environmental setting has been completed in order to identify relevant environmental receptors that are potentially at risk from pollution associated with a release of RHS sourced from the proposed permitted operations.

Based on the available information in relation to the Installation environmental setting the following environmental media and receptors are indicated to be potentially at risk from pollution:

- Soils;
- The Saredon Brook and Groundwater (shallow groundwater and bedrock groundwater);
- SSSI (Four Ashes Pit) located 182 m southwest of the Installation; and
- Property comprising buildings and associated infrastructure within the Installation boundary.

The likelihood of other activities in the immediate area to the Installation to release the same substances as are in use at the Installation, and their potential for these to migrate onto the delineated Installation boundary, has also been reviewed however it is considered unlikely.

Section 6.0: Stage IV - Conceptual Site Model

6.1 General

The information compiled in this report and supporting appendices will be used to develop a Conceptual Site Model (CSM) in order to demonstrate the potential for historical and future emissions of RHS and the environmental receptors likely to be affected by those emissions.

6.2 Introduction to Conceptual Site Model

The purpose of this SCR is to describe the ground conditions at the Installation at the time of application for an environmental permit. To assess the potential for pollution at the proposed Installation, a CSM has been developed which depicts potential source-pathway-receptor relationships. Depending on the concentration and nature of the contaminant present, harm may be caused to the environment where exposure may occur in a variety of situations.

The CSM identifies potential pollutant source-pathway-receptor relationships which may cause pollution to the environment. A CSM considers:

- Details of historical land use;
- Details of current or recent land use;
- Site geology and hydrogeology;
- Potential contaminant sources, i.e., the provenance and nature of the contamination;
- Potential pathways, e.g., groundwater, surface water, drains, etc.; and
- Potential receptors, e.g., soils, groundwater, surface water, etc.

The contaminant sources, pathways and receptors are then considered to identify potential pollutant linkages and whether they are significant, stating any uncertainties and assumptions that have been made. Where pollutant relationships can be identified, a risk assessment is then applied to quantify the likely exposure of sensitive receptors to contaminants, the effects of this exposure and any dependencies on land use.

The purpose of the pollution assessment is to decide whether further action, including remedial measures and improvements to Installation operations and infrastructure, is needed. If there is no unacceptable risk, then remedial measures are not necessary for risk reduction. Where an unacceptable risk is identified, the management of the risk should drive the selection and implementation of remedial action.

The CSM is not intended to provide detailed subsurface pathway delineation but is intended to preliminarily establish and assess the potential pathways and receptors during normal and abnormal operations of the Installation.

6.3 Conceptual Site Model (Installation Operations)

For ease of discussion and any future risk-based assessment, and in accordance with EPR guidance, the Installation has been divided into four (4) Areas of Concern (AOC) (referred to as AOC 1 to AOC 4) based on the following criteria:

- Historical Permitted Activities;
- Potential pollution risk;
- The volume of substance currently or proposed to be stored (especially potential liquid pollutants due to their increased mobility); and
- The current or anticipated level of activity within the area, i.e., the volume of potentially polluting materials stored, handled, and moved within the Installation.

The AOCs are considered to be as follows:

- AOC 1: Paint and Aerosol Plant
- AOC 2: Existing Installation Area
- AOC 3: Internal Additional Installation Area
- AOC 4: Installation Drainage Network

The location of the AOCs is shown on Drawing L-5: 'Areas of Concern'.

A CSM will be developed to allow each AOC to be individually assessed.

6.4 Potential Sources

Each identified AOC contains a number of substances considered to be an RHS or to pose a theoretical pollution risk based on their characteristics, quantity held, etc. These are substances which, following the risk assessment process described within this report and presented with Appendix B are considered most likely to pose a risk to the underlying soils and water environment. The following table provides details of the substances identified in this way.

Table 11: Identified Sources of RHS

Source	RHS/Substances Posing Theoretical Pollution risk
AOC 1: Paint and Aerosol Plant	Presence of chemicals of concern as outlined within Appendix B and listed below: ▪ Organic Solvents ▪ Halogenated Solvents ▪ Isocyanates ▪ Inks, printer toners
AOC 2: Existing Installation Area	Due to the nature of the Installation activities and variety of wastes accepted and stored across the Existing Installation Area, it is not possible to discount with any degree of certainty, the possibility that any of the accepted waste categories potentially contain substances which could be defined as RHS. It is therefore considered that ***all*** waste categories should be conservatively assumed to have the potential to give rise to RHS. Due to the wide range of wastes accepted a list of chemicals of concern are outlined within Appendix B. The following substances are stored within this the Boiler Room: ▪ Gas Oil The Gas Oil is stored within a 1,350 litre double skinned tank above concrete hardstanding with no spills or leaks noted. Tanks are inspected on a daily basis by trained personnel. The following substances are stored within this the Maintenance Room: ▪ Assorted Oils Kerosene ▪ Ad-Blue ▪ WD 40 ▪ Bulk Acids ▪ Acetone ▪ Solvents/Paints ▪ Wet Solvents The unit generally has appropriate chemical handling and storage controls in place comprising bunded storage contained and adjacent spill kits.
AOC 3: Internal Additional Installation Area	Due to the nature of the Installation activities and variety of wastes to be accepted and stored across the Additional Installation Area, it is not possible to discount with any degree of certainty, the possibility that any of the accepted waste categories potentially contain substances which could be defined as RHS. It is therefore considered that ***all*** waste categories should be conservatively assumed to have the potential to give rise to RHS. Due to the wide range of wastes accepted a list of chemicals of concern are outlined within Appendix B.
AOC 4: Installation Drainage Network	While the Installation does not directly discharge to any drainage network, storm and soil water drainage networks are recorded to be present within or immediately adjacent to the Installation Areas servicing the wider Sprint Industrial Estate. The condition of these networks is currently unknown; however, anecdotal evidence notes past issues with effectiveness. All Installation Substances Posing Potential Risk

6.5 Potential Pathways

The following potential pathways have been identified by which substances may come into contact with identified receptors

- Potential discharge to surface water body via the local drainage system were storm drains to become compromised;
- Discharge during movement of substances/waste to and from point of use across the Installation;
- Rupturing of substance/waste containment (i.e., containers, bulk storage, bunds etc.) resulting in permeation through cracks/holes in hardstanding to the soil environment;
- Accidental discharge/spillage of chemicals during movement or operations resulting in permeation through cracks/holes in hardstanding to the soil environment;
- Discharge to soil environment through spillage onto poor quality surfaces:
- Overfill of tanks;
- Small spills during substance handling; and
- Spills from overfilling of IBC containers, storage vessels etc.

6.6 Potential Receptors

The following potential receptors have been identified:

- Land (Soils);
- Groundwater (considered likely to be the deeper groundwater);
- Surface water (via soil and storm water drains); and
- Property.

Note 1: The potential exists for the Installation soil or storm water drainage network to discharge to a surface water receptor. Although no specific release to surface water is planned as a result of installation activities, an accidental release which entered the surface water drainage network may occur and therefore the potential for pollution exists. Until the fate of Installation surface water drainage is confirmed, it is considered prudent to include surface water as a receptor for CSM risk assessment purposes.

6.7 Conceptual Site Model

Table 12: Conceptual Site Model

Potential Source	AOC	Release Route/Pathways	Potentially Significant Receptors	Hazard Severity	Likelihood of Pollution	Further Action
Paint and Aerosol Plant	AOC 1	▪ Release as a result of accidental incident (i.e., breach of containment measures etc.). ▪ Spillages during transfer of hazardous substances. ▪ Small spills during substance handling. ▪ Permeation to groundwater through damaged/ unsuitable hardstanding.	▪ Land (Soils). ▪ Groundwater ▪ Property	**MODERATE**	**LOW** The Paint and Aerosol Plant is currently out of use due to a fire however it is understood that the area will be renovated and returned to its previous use. It is assumed that this renovation will include the installation of new hardstanding and appropriate pollution prevention measures.	▪ Ensure that renovation/ redevelopment of this area incorporates the use of BAT, appropriate quality hardstanding, etc. ▪ Site Investigation considered prudent to determine current concentrations of RHS in this area.
Existing Installation Area	AOC 2	▪ Spills/leaks during loading/unloading. ▪ Release as a result of insufficient bund/ container capacity. ▪ Release as a result of accidental incident (i.e., breach of containment measures, etc.). ▪ Accidental discharge/spillage of chemicals during movement or operations resulting in permeation through cracks/holes in hardstanding to the soil environment; ▪ Rupturing of substance containment (i.e., tank, IBC or bunded pallets etc.) resulting in permeation through cracks/holes in hardstanding to the soil environment. ▪ Overfill of container. ▪ Accidental discharge. ▪ Spillages during transfer of hazardous substances. ▪ Small spills during substance handling. ▪ Permeation to groundwater through damaged/ unsuitable hardstanding.	▪ Land (Soils). ▪ Groundwater ▪ Property	**MODERATE/HIGH**	**MODERATE** Based on the present condition of the area the likelihood of pollution is considered to be **MODERATE** due to: ▪ Not all substances within secondary containment although the floor of the building acts as tertiary containment with Emergency Spillage Procedure is in place to address accidental discharge or loss of containment. No surface water drainage network present. ▪ The varied condition of the hardstanding across the Installation Area (with areas of significant wear noted in the Waste Dispatch Area); ▪ Identification of minor spills indicating that these potentially occur and are not documented; ▪ Volume of waste throughput and storage; and ▪ Vehicles and other pedestrians will use the same transport route therefore results in potential for collisions. However, the following environmental management practices are in place and maintained: ▪ Waste containers are handled by appropriately trained personnel; ▪ Location and quantities of wastes are tracked with logs updated daily; ▪ Spill kits available across Installation; and ▪ An EMS is in place which outlines SOPs for chemical/waste storage, waste management, spill procedures, etc.; and It is considered that the following further actions to characterise the degree of risk associated with the existing operations and implementation of any necessary environmental management actions the likelihood of pollution can be reduced to **LOW.**	▪ Site Investigation considered prudent to determine current concentrations of RHS in this area. ▪ Review storage procedures if required. ▪ A Surface Integrity Risk Assessment is recommended to identify potential issues.
Additional Installation Area	AOC 3	▪ Spills/leaks during loading/unloading. ▪ Release as a result of insufficient bund/ container capacity. ▪ Release as a result of accidental incident (i.e., breach of containment measures, etc.). ▪ Overfill of container. ▪ Accidental discharge. ▪ Spillages during transfer of hazardous substances. ▪ Small spills during substance handling. ▪ Permeation to groundwater through damaged/ unsuitable hardstanding.	▪ Land (Soils). ▪ Groundwater ▪ Property	**MODERATE**	**MODERATE** Based on the present condition of the area the likelihood of pollution is considered to be **MODERATE** due to: ▪ The varied condition of the hardstanding across the Installation Area; ▪ Volume of waste throughput and storage; and ▪ Vehicles and other pedestrians will use the same transport route therefore results in potential for collisions. Aquaforce report that they propose to upgrade the concrete hardstanding flooring across the Additional Installation area to upgrade the containment/tertiary bunding afforded by the building walls. In addition, bunding will be constructed for the proposed waste storage bays and secondary containment will be utilised in the vicinity of the Attritor.	▪ Establish baseline conditions within this area (external and internal). ▪ A Surface Integrity Risk Assessment is recommended to determine condition of existing hardstanding and inform on future environmental management requirements. ▪ Ensure that renovation/redevelopment of this area incorporates the use of BAT, appropriate quality hardstanding, etc. ▪ Implement a programme of appropriate monitoring of bund conditions (once constructed).

Potential Source	AOC	Release Route/Pathways	Potentially Significant Receptors	Hazard Severity	Likelihood of Pollution	Further Action
					It is understood that current proposals do not include for any permitted activities to be undertaken within the External Additional Area, however, it is assumed any future proposals would be required to be submitted as a further permit variation. It is considered that the following further actions to characterise the degree of risk associated with the existing operations and implementation of any necessary environmental management actions the likelihood of pollution can be reduced to **LOW.**	
Installation Drainage Network	AOC 4	▪ Release as a result of breach of drainage network. ▪ Release to surface water via substances entering drainage network as a result of containment breach, spillages, etc.	▪ Land (Soils). ▪ Groundwater ▪ Surface water (via storm water drains) ▪ Property	**MODERATE**	**LOW/MODERATE** Based on the unknown condition of the drainage network the likelihood of pollution is considered to be **LOW/MODERATE.** Spills etc may enter the existing soil water/storm water drainage networks and discharge into the surrounding soils if the drainage network is breached or leaks. As while the Installation does not directly discharge into any recorded drainage network, any potential containment breach may result in a breach of the drainage network which discharges into the local drainage network and potentially a nearby surface wate body. It is considered that the following further actions to characterise the degree of risk associated with the existing operations and implementation of any necessary environmental management actions the likelihood of pollution can be reduced to **LOW.**	▪ A CCTV survey is recommended to assess integrity and address any potential issues. ▪ Establish baseline/current conditions (external and internal) as appropriate via an appropriately scoped Intrusive Investigation.

Note 2: Human health receptors have not been considered as part of this risk assessment. Aquaforce have documented procedures in place for the management of spills which include the use of appropriate personal protective equipment (PPE) which would mitigate the impact of harm to human health receptors.

6.8 Assumptions and Limitations of the CSM

The following assumptions and limitations exist for the CSM presented in Section 6.7 above:

- It is assumed to be unlikely that the additional waste streams will result in the presence of substances not already handled within the Installation;
- It has been assumed that any of the waste streams accepted at the Installation may be handled/processed within the Additional Installation area;
- It is assumed that the composition of stored waste materials at any one time will be variable;
- For the purposes of the risk assessment it has been assumed that the total quantity of waste stored will be the maximum quantity of 5,000 tonnes;
- It is assumed that the volume of specific substances stored at any time is variable;
- It is assumed that spillages would be contained and cleared immediately following accidental release;
- It is assumed that spill kits are complete and that they will be disposed of appropriately following use;
- It is assumed that the superficial aquifer may be in hydraulic connection with the underlying bedrock aquifer;
- It is assumed that the groundwater within the superficial aquifer and bedrock aquifers may act as pathway to surface waters such as the Saredon Brook to the south;
- The flow of groundwater is unknown; and
- The condition of the drainage network is unknown and therefore the potential for release of substances should breaches be present is possible and currently unquantified.

Section 7.0: Conclusions and Recommendations

7.1 Conclusions

The data presented in this report is considered to present an appropriate reflection of the current condition of the Installation at the current time.

Review of the environmental setting has indicated that the Installation is located in an area of primarily commercial activity. Three (3) surface water features are recorded within 250 m of the Installation. The natural superficial deposits comprise Glaciofluvial deposits most likely underlain by Devensian Till deposit to a maximum recorded depth of 2.40 mbgl in a nearby historical borehole. The flow of groundwater is unknown. The solid geology comprises sandstone belonging to the Reg Cray formation. The bedrock aquifer is understood to comprise the primary Sandstone Staffordshire aquifer.

RHS have been identified for the Installation activities based on whether utilised chemicals/wastes have characteristics such as hazard phrases, mammalian effects, ecotoxicity, bioaccumulation potential, and environmental fate. In consideration of the quantities of materials, where available, and handling/storage processes the following contaminants of concern, separated into their storage locations, are considered to be most significant for the Installation:

Four (4) areas of concern (AOC) have been identified relating to the Paint and Aerosol Plant (AOC 1), the Existing Installation Area (AOC 2), the Internal Additional Installation Area (AOC 3) and the Installation Drainage Network (AOC 4).

Section 6.7 “Conceptual Site Model” of this report presents the identified potential pollutant source-pathway-receptor relationships that exist at the Installation.

Based on the data presented within this SCR the current condition of the Installation and the operations are indicated to present an overall **LOW/MODERATE** pollution risk

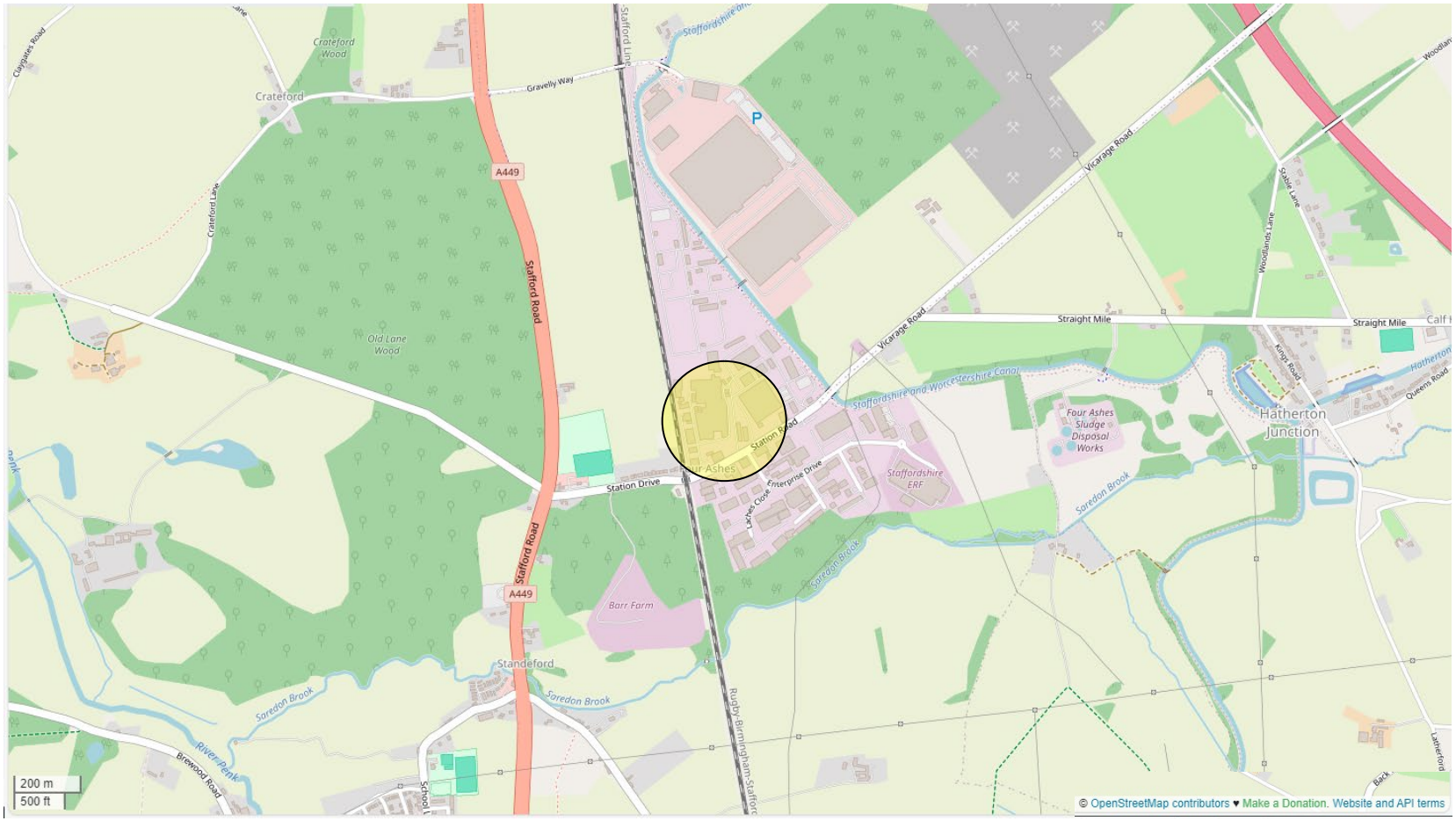
It is considered that following implementation of environmental management actions as outlined in the recommendations below, the likelihood of pollution can be reduced to **LOW**.

7.2 Recommendations

The following recommendations are made following a review of the findings of this SCR:

- It is recommended that a program of intrusive investigation works is designed and undertaken to determine the current condition of soil and groundwater within the Existing Installation Area and to gather baseline data for future comparison within the Additional Installation Area.
- It is recommended that a Surface Integrity Risk Assessment is undertaken across the Site.
- It is recommended that a CCTV Survey is undertaken to confirm the condition of the drainage network.
- It is recommended that Aquaforce provide confirmation that assumptions made in preparation of this report are appropriate. Should any of the assumptions be considered to be unreflective of Installation conditions or procedures then a revision to the risk assessments contained herein may be required.

Drawings

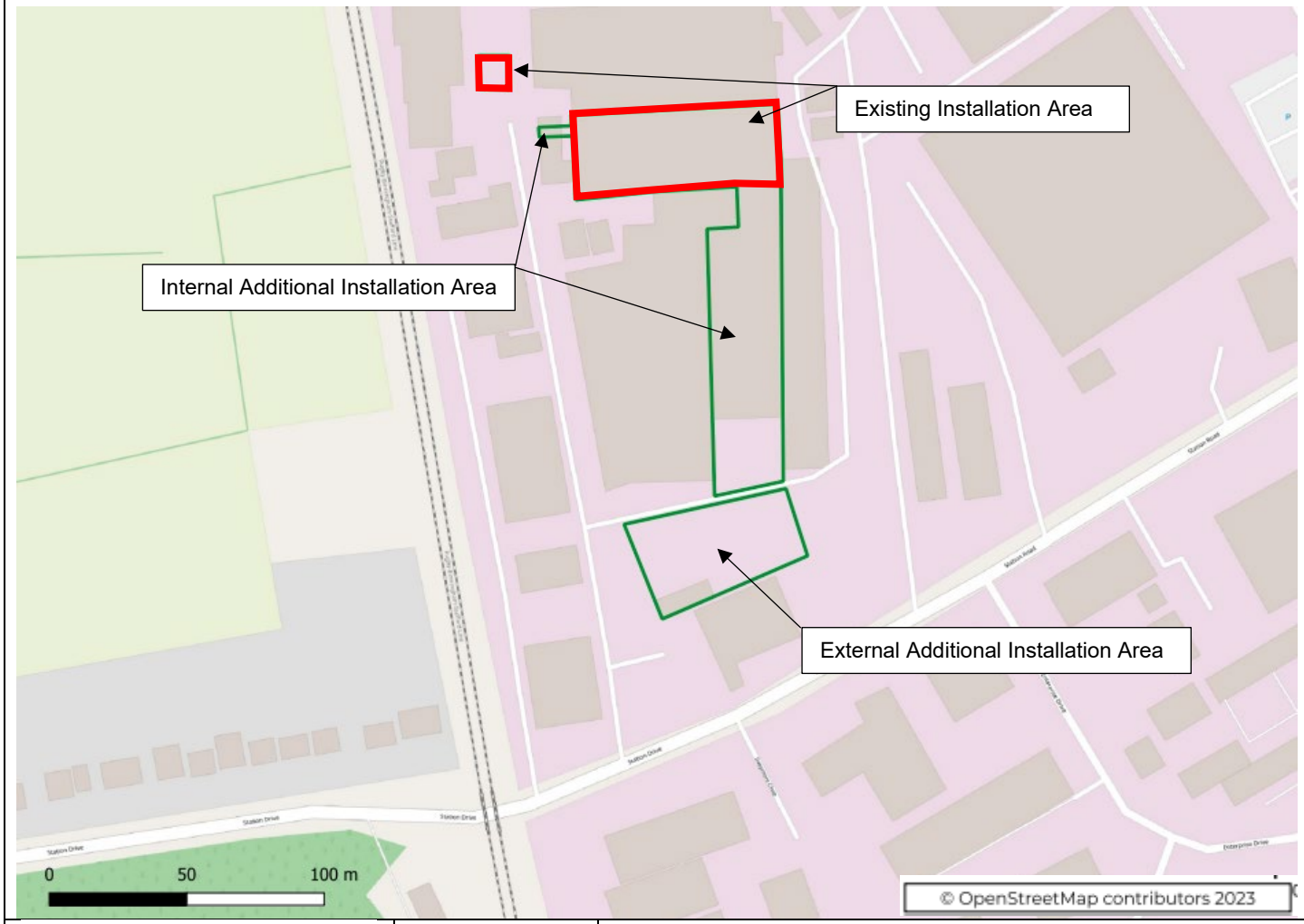


Key

Aquaforce Site Area

Mabbett™
13 Henderson Road
Inverness, UK, IV1 1SN
Tel: 0141 227 2300
www.mabbett.eu

Drawing Title:	L-1: Site Location Plan				Project No:	315994
Site:	Unit 4a,Sprint Induistrial Estate Four Ashes Wolverhampton, UK WV10 7ED					
Client:	Aquaforce Special Waste Limited					
Revision 1	Drawn	JD	Checked	SPB	Approved	SPB

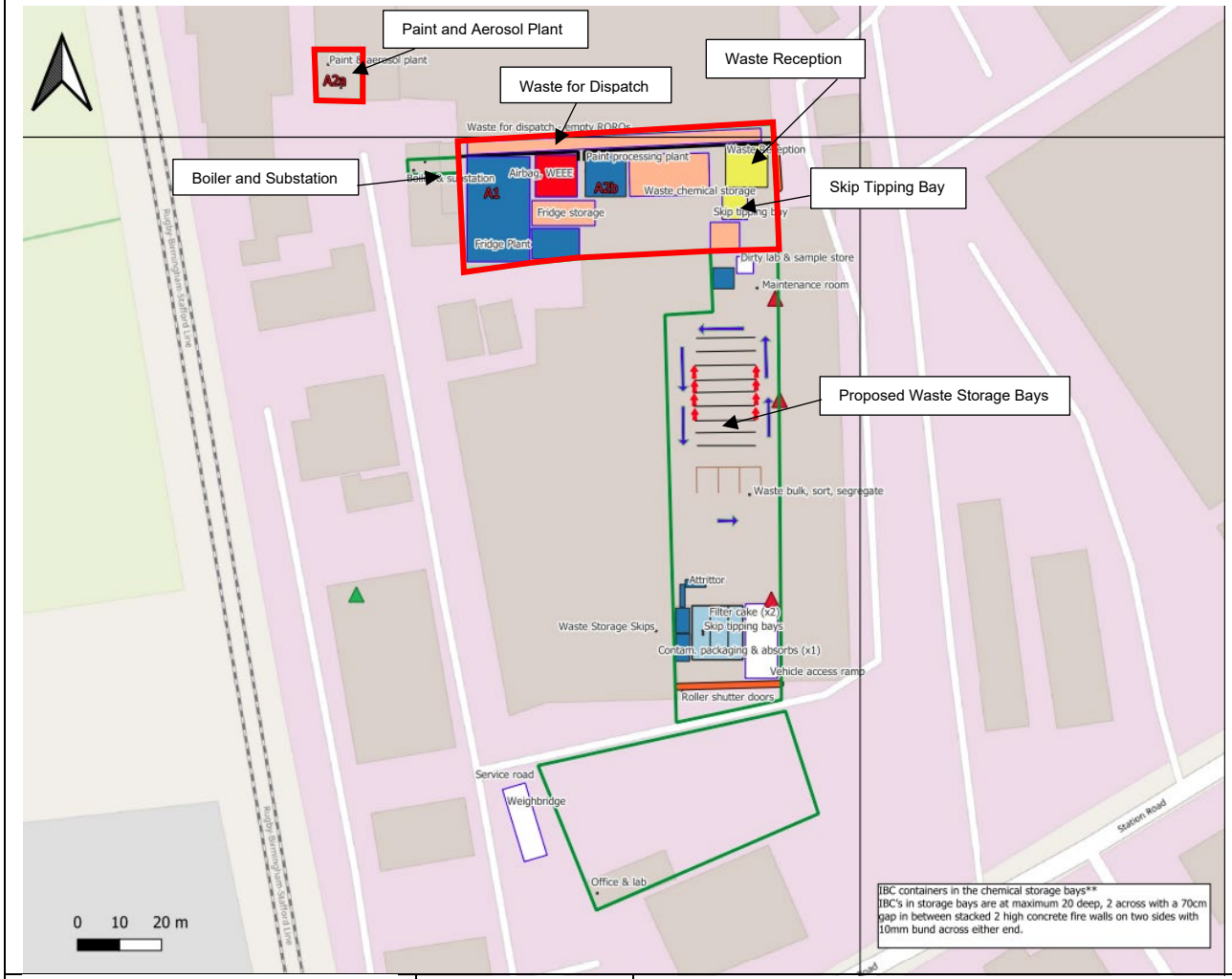


Key

- Existing Installation Boundary
- Additional Installation Boundary

Mabbett™
13 Henderson Road
Inverness, UK, IV1 1SN
Tel: 0141 227 2300
www.mabbett.eu

Drawing Title:	L-2: Installation Area Boundaries				Project No:	315994	
Site:	Unit 4a,Sprint Induistrial Estate Four Ashes Wolverhampton, UK WV10 7ED						
Client:	Aquaforce Special Waste Limited						
Revision 1	Drawn	JD	Checked	SPB	Approved	SPB	



Key

- Existing Installation Boundary (Current Layout)
- Additional Installation Boundary (Proposed Layout)
- Emission points (A1-A3)
- Storage
- Plant
- Skip tipping bays
- Waste reception
- Airbag deployment and WEEE
- Fire hydrant
- Fire extinguishers
- Waste processing areas
- Bays
- Concrete wall
- One way internal routing
- 40mm bund
- 10mm bund per bay

Mabbett™
13 Henderson Road
Inverness, UK, IV1 1SN
Tel: 0141 227 2300
www.mabbett.eu

Drawing Title:	L-3: Installation Layout				Project No:	315994	
Site:	Unit 4a,Sprint Induistrial Estate Four Ashes Wolverhampton, UK WV10 7ED						
Client:	Aquaforce Special Waste Limited						
Revision 1	Drawn	JD	Checked	SPB	Approved	SPB	

Key

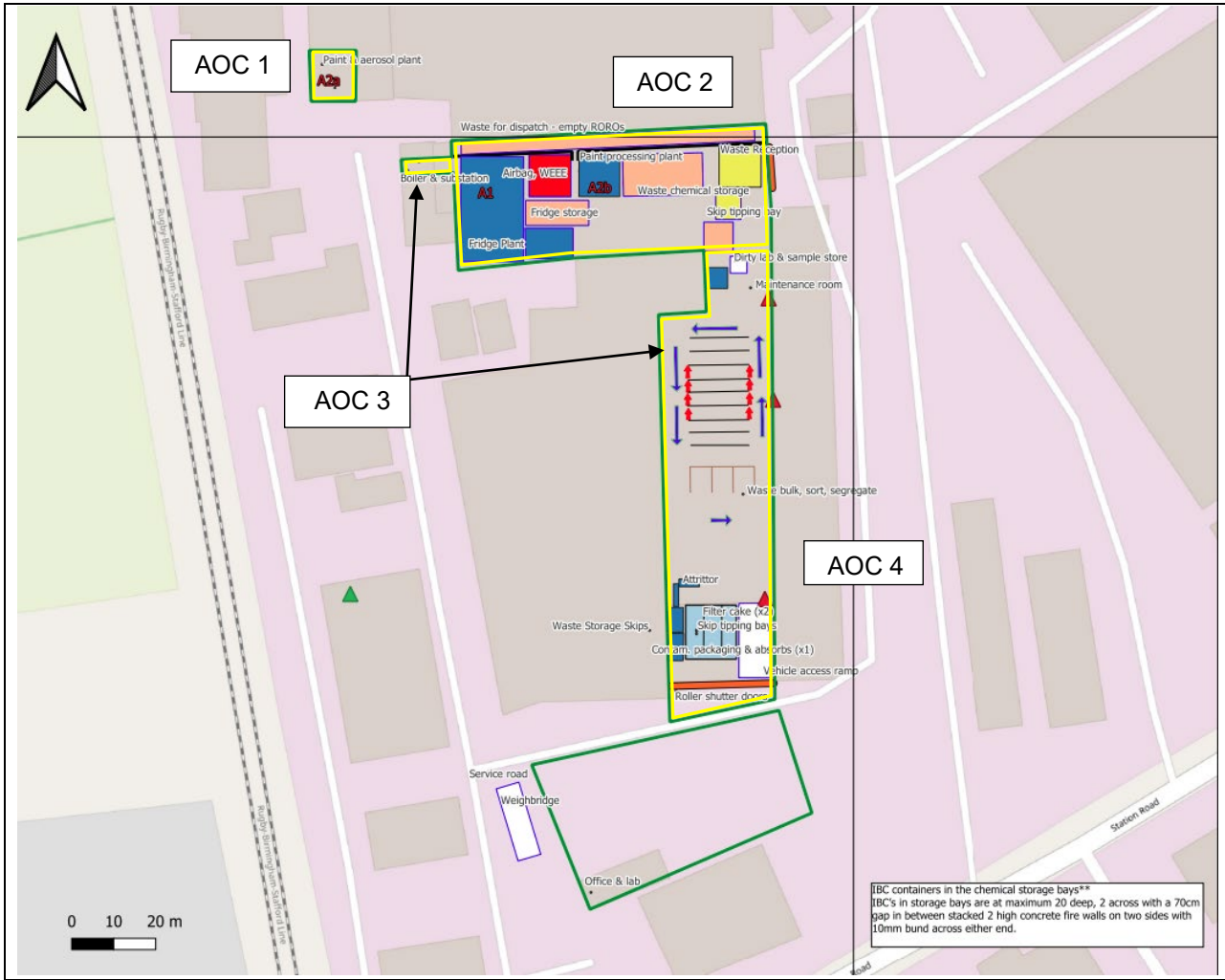
- Existing Installation Boundary
- Additional Installation Boundary

Mabbett™

13 Henderson Road
Inverness, UK, IV1 1SN
Tel: 0141 227 2300
www.mabbett.eu

Drawing Title:	L-5: Drainage Layout	Project No:	315994
Site:	Unit 4a,Sprint Induistrial Estate Four Ashes Wolverhampton, UK WV10 7ED		
Client:	Aquaforce Special Waste Limited		

Revision 1	Drawn	JD	Checked	SPB	Approved	SPB



Key

Permit Boundary

Area of Concern (AOC)

AOC 1 Paint and Aerosol Plant
AOC 2 Existing Installation Area
AOC 3 Internal Additional Installation Area
AOC 4 Drainage Network
(*shown on Drawing L-5*)

Mabbett™
13 Henderson Road
Inverness, UK, IV1 1SN
Tel: 0141 227 2300
www.mabbett.eu

Drawing Title:	L-6: Areas of Concern			Project No:	315994	
Site:	Unit 4a,Sprint Induistrial Estate Four Ashes Wolverhampton, UK WV10 7ED					
Client:	Aquaforce Special Waste Limited					
Revision 1	Drawn	JD	Checked	SPB	Approved	SPB

Appendix A: List of Waste Codes

The proposed waste codes by waste activity are listed below. Codes to be added are highlighted in yellow.

A1 Treatment of Waste Refrigeration Equipment

- 16 02 11* discarded equipment containing chlorofluorocarbons, HCFC, HFC
- 16 02 13* discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
- 20 01 23* discarded equipment containing chlorofluorocarbons
- 20 01 35* discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components

A2 WEEE Treatment other than waste refrigeration equipment

- 09 01 11* single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
- 09 01 10 single-use cameras without batteries
- 09 01 12 single-use cameras containing batteries other than those mentioned in 09 01 11
- 16 02 09* transformers and capacitors containing PCBs
- 16 02 12* discarded equipment containing free asbestos
- 16 02 13* discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
- 16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13
- 20 01 21* fluorescent tubes and other mercury-containing waste
- 20 01 33* batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
- 20 01 35* discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
- 20 01 36 discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

A3 Waste Paint Treatment

- 07 01 01* Aqueous washing liquids and mother liquors
- 07 01 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 01 04* Other Organic solvents, washing liquids and mother liquors
- 07 02 01* Aqueous washing liquids and mother liquors
- 07 02 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 02 04* Other organic solvents, washing liquids and mother liquors
- 07 03 01* Aqueous washing liquids and mother liquors
- 07 03 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 03 04* Other organic solvents, washing liquids and mother liquors
- 07 04 01* Aqueous washing liquids and mother liquors
- 07 04 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 04 04* Other organic solvents, washing liquids and mother liquors
- 07 05 01* Aqueous liquids and mother liquors
- 07 05 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 05 04* Other organic solvents, washing liquids and mother liquors
- 07 06 01* Aqueous liquids and mother liquors
- 07 06 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 06 04* Other organic solvents, washing liquids and mother liquors
- 07 07 01* Aqueous liquids and mother liquors
- 07 07 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 07 04* Other organic solvents, washing liquids and mother liquors

- 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances
- 08 01 13* sludges from paint or varnish containing organic solvents or other hazardous substances
- 08 01 15* aqueous sludges containing paint or varnish containing organic solvents or dangerous substances
- 08 01 17* wastes from paint or varnish removal containing organic solvents or other hazardous substances
- 08 01 19* aqueous suspensions containing paint or varnish containing organic solvents or dangerous substances
- 08 01 21* waste paint or varnish remover
- 08 03 12* waste ink containing dangerous substances
- 08 03 17* waste printing toner containing dangerous substances
- 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
- 08 05 01* waste isocyanates
- 09 01 03* Solvent-based developer solutions
- 14 06 02* Other halogenated solvents and solvent mixtures
- 14 06 03* Other solvents and solvent mixtures
- 16 03 05* Organic wastes containing hazardous substances
- 16 05 06* Laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals
- 16 05 08* Discarded organic chemicals consisting of or containing hazardous substances
- 20 01 13* Solvents
- 20 01 27* paint, inks, adhesives and resins containing dangerous substances

A4 Waste Repackaging

Essentially all liquid waste from waste paint treatment, haz and non-haz transfer

- 01 01 01 wastes from mineral metalliferous excavation
- 01 01 02 wastes from mineral non-metalliferous excavation
- 01 03 04* Acid generating tailings from processing of sulphide ore
- 01 03 05* Other tailings containing hazardous substances
- 01 03 06 tailings other than those mentioned in 01 03 04 and 01 03 05
- 01 03 07* Other wastes containing hazardous substances from physical and chemical processing of metalliferous minerals
- 01 03 08 dusty and powdery wastes other than those mentioned in 01 03 07
- 01 03 09 red mud from alumina production other than the wastes mentioned in 01 03 10
- 01 04 07* Wastes containing hazardous substances from physical and chemical processing of nonmetalliferous minerals
- 01 04 08 waste gravel and crushed rocks other than those mentioned in 01 04 07
- 01 04 09 waste sand and clays
- 01 04 10 dusty and powdery wastes other than those mentioned in 01 04 07
- 01 04 11 wastes from potash and rock salt processing other than those mentioned in 01 04 07
- 01 04 12 tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
- 01 04 13 wastes from stone cutting and sawing other than those mentioned in 01 04 07
- 01 05 04 freshwater drilling muds and wastes
- 01 05 05* Oil-containing drilling muds and wastes
- 01 05 06* Drilling muds and other drilling wastes containing hazardous substances

- 01 05 07 barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
- 01 05 08 chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
- 02 01 01 sludges from washing and cleaning
- 02 01 03 plant-tissue waste
- 02 01 04 waste plastics (except packaging)
- 02 01 07 wastes from forestry
- 02 01 08* Agrochemical waste containing hazardous substances
- 02 01 09 agrochemical waste other than those mentioned in 02 01 08
- 02 01 10 waste metal
- 02 02 01 sludges from washing and cleaning
- 02 02 04 sludges from on-site effluent treatment
- 02 03 01 sludges from washing, cleaning, peeling, centrifuging and separation
- 02 03 02 wastes from preserving agents
- 02 03 03 wastes from solvent extraction
- 02 03 04 materials unsuitable for consumption or processing
- 02 03 05 sludges from on-site effluent treatment
- 02 04 01 soil from cleaning and washing beet
- 02 04 02 off-specification calcium carbonate
- 02 04 03 sludges from on-site effluent treatment
- 02 05 02 sludges from on-site effluent treatment
- 02 06 02 wastes from preserving agents
- 02 06 03 sludges from on-site effluent treatment
- 02 07 01 wastes from washing, cleaning and mechanical reduction of raw materials
- 02 07 02 wastes from spirits distillation
- 02 07 03 wastes from chemical treatment
- 02 07 04 materials unsuitable for consumption or processing
- 02 07 05 sludges from on-site effluent treatment
- 03 01 01 waste bark and cork
- 03 01 04* Sawdust, shavings, cuttings, wood, particle board and veneer containing hazardous substances
- 03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
- 03 02 01* Non-halogenated organic wood preservatives
- 03 02 02* Non-halogenated organic wood preservatives
- 03 02 03* Organometallic wood preservatives
- 03 02 04* Inorganic wood preservatives
- 03 02 05* Other wood preservatives containing hazardous substances
- 03 03 01 waste bark and wood
- 03 03 02 green liquor sludge (from recovery of cooking liquor)
- 03 03 05 de-inking sludges from paper recycling
- 03 03 07 mechanically separated rejects from pulping of waste paper and cardboard
- 03 03 08 wastes from sorting of paper and cardboard destined for recycling
- 03 03 09 lime mud waste
- 03 03 10 fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
- 03 03 11 sludges from on-site effluent treatment other than those mentioned in 03 03 10
- 04 01 01 fleshings and lime split wastes
- 04 01 02 liming waste
- 04 01 03* Degreasing wastes containing solvents without a liquid phase
- 04 01 04 tanning liquor containing chromium

- 04 01 05 tanning liquor free of chromium
- 04 01 06 sludges, in particular from on-site effluent treatment containing chromium
- 04 01 07 sludges, in particular from on-site effluent treatment free of chromium
- 04 01 08 waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
- 04 01 09 wastes from dressing and finishing
- 04 02 09 wastes from composite materials (impregnated textile, elastomer, plastomer)
- 04 02 10 organic matter from natural products (for example grease, wax)
- 04 02 14* Wastes from finishing containing organic solvents
- 04 02 15 wastes from finishing other than those mentioned in 04 02 14
- 04 02 16* Dyestuffs and pigments containing hazardous substances
- 04 02 17 dyestuffs and pigments other than those mentioned in 04 02 16
- 04 02 19* Sludges from on-site effluent treatment containing hazardous substances
- 04 02 20 sludges from on-site effluent treatment other than those mentioned in 04 02 19
- 04 02 21 wastes from unprocessed textile fibres
- 04 02 22 wastes from processed textile fibres
- 05 01 02* Desalter sludges
- 05 01 03* Tank bottom sludges
- 05 01 04* Acid alkyl sludges
- 05 01 05* Oil spills
- 05 01 06* Oily sludges from maintenance operations of the plant or equipment
- 05 01 07* Acid tars
- 05 01 08* Other tars
- 05 01 09* Sludges from on-site effluent treatment containing hazardous substances
- 05 01 10 sludges from on-site effluent treatment other than those mentioned in 05 01 09
- 05 01 11* Wastes from cleaning of fuels with bases
- 05 01 12* Oil containing acids
- 05 01 13 boiler feedwater sludges
- 05 01 14 wastes from cooling columns
- 05 01 15* Spent filter clays
- 05 01 16 sulphur-containing wastes from petroleum desulphurisation
- 05 01 17 bitumen
- 05 06 01* Acid tars
- 05 06 03* Other tars
- 05 06 04 waste from cooling columns
- 05 07 01* Wastes containing mercury
- 05 07 02 wastes containing sulphur
- 06 01 01* Sulphuric and sulphurous acid
- 06 01 02* Hydrochloric acid
- 06 01 03* Hydrofluoric acid
- 06 01 04* Phosphoric and phosphorous acid
- 06 01 05* Nitric and nitrous acid
- 06 01 06* Other acids
- 06 02 01* Calcium hydroxide
- 06 02 03* Ammonium hydroxide
- 06 02 04* Sodium and potassium hydroxide
- 06 02 05* Other bases
- 06 03 11* Solid salts and solutions containing cyanides
- 06 03 13* Solid salts and solutions containing heavy metals
- 06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
- 06 03 15* Metallic oxides containing heavy metals

- 06 03 16 metallic oxides other than those mentioned in 06 03 15
- 06 04 03* Wastes containing arsenic
- 06 04 04* Wastes containing mercury
- 06 04 05* Wastes containing other heavy metals
- 06 05 02* Sludges from on-site effluent treatment containing hazardous substances
- 06 05 03 sludges from on-site effluent treatment other than those mentioned in 06 05 02
- 06 06 02* Wastes containing hazardous sulphides
- 06 06 03 wastes containing sulphides other than those mentioned in 06 06 02
- 06 07 02* Activated carbon from chlorine production
- 06 07 03* Barium sulphate sludge containing mercury
- 06 07 04* Solutions and acids, for example contact acid
- 06 08 02* Wastes containing hazardous chlorosilanes
- 06 09 02 phosphorous slag
- 06 09 03* Calcium-based reaction wastes containing or contaminated with hazardous substances
- 06 09 04 calcium-based reaction wastes other than those mentioned in 06 09 03
- 06 10 02* Wastes containing hazardous substances
- 06 11 01 calcium-based reaction wastes from titanium dioxide production
- 06 13 01* Inorganic plant protection products, wood-preserving agents and other biocides
- 06 13 02* Spent activated carbon
- 06 13 03 carbon black
- 06 13 04* Wastes from asbestos processing
- 06 13 05* Soot
- 07 01 01* Aqueous washing liquids and mother liquors
- 07 01 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 01 04* Other Organic solvents, washing liquids and mother liquors
- 07 01 07* Halogenated still bottoms and reaction residues
- 07 01 08* Other still bottoms and reaction residues
- 07 01 09* Halogenated filter cakes and spent absorbents
- 07 01 10* Other filter cakes and spent absorbents
- 07 01 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 01 12 sludges from on-site effluent treatment other than those mentioned in 07 01 11
- 07 02 01* Aqueous washing liquids and mother liquors
- 07 02 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 02 04* Other organic solvents, washing liquids and mother liquors
- 07 02 07* Halogenated still bottoms and reaction residues
- 07 02 08* Other still bottoms and reaction residues
- 07 02 09* Halogenated filter cakes and spent absorbents
- 07 02 10* Other filter cakes and spent absorbents
- 07 02 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 02 12 sludges from on-site effluent treatment other than those mentioned in 07 02 11
- 07 02 13 waste plastic
- 07 02 14* Wastes from additives containing hazardous substances
- 07 02 15 wastes from additives other than those mentioned in 07 02 14
- 07 02 16* Wastes containing hazardous silicones
- 07 02 17 wastes containing silicones other than those mentioned in 07 02 16
- 07 03 01* Aqueous washing liquids and mother liquors
- 07 03 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 03 04* Other organic solvents, washing liquids and mother liquors
- 07 03 04* Other organic solvents, washing liquids and mother liquors
- 07 03 07* Halogenated still bottoms and reaction residues

- 07 03 08* Other still bottoms and reaction residues
- 07 03 09* Halogenated filter cakes and spent absorbents
- 07 03 10* Other filter cakes and spent absorbents
- 07 03 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 03 12 sludges from on-site effluent treatment other than those mentioned in 07 03 11
- 07 04 01* Aqueous washing liquids and mother liquors
- 07 04 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 04 04* Other organic solvents, washing liquids and mother liquors
- 07 04 07* Halogenated still bottoms and reaction residues
- 07 04 08* Other still bottoms and reaction residues
- 07 04 09* Halogenated filter cakes and spent absorbents
- 07 04 10* Other filter cakes and spent absorbents
- 07 04 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 04 12 sludges from on-site effluent treatment other than those mentioned in 07 04 11
- 07 04 13* Solids wastes containing hazardous substances
- 07 05 01* Aqueous liquids and mother liquors
- 07 05 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 05 04* Other organic solvents, washing liquids and mother liquors
- 07 05 07* Halogenated still bottoms and reaction residues
- 07 05 08* Other still bottoms and reaction residues
- 07 05 09* Halogenated filter cakes and spent absorbents
- 07 05 10* Other filter cakes and spent absorbents
- 07 05 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 05 12 sludges from on-site effluent treatment other than those mentioned in 07 05 11
- 07 05 13* Solid wastes containing hazardous substances
- 07 05 14 solid wastes other than those mentioned in 07 05 13
- 07 06 01* Aqueous liquids and mother liquors
- 07 06 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 06 04* Other organic solvents, washing liquids and mother liquors
- 07 06 07* Halogenated still bottoms and reaction residues
- 07 06 08* Other still bottoms and reaction residues
- 07 06 09* Halogenated filter cakes and spent absorbents
- 07 06 10* Other filter cakes and spent absorbents
- 07 06 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 06 12 sludges from on-site effluent treatment other than those mentioned in 07 06 11
- 07 07 01* Aqueous liquids and mother liquors
- 07 07 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 07 04* Other organic solvents, washing liquids and mother liquors
- 07 07 07* Halogenated still bottoms and reaction residues
- 07 07 08* Other still bottoms and reaction residues
- 07 07 09* Halogenated filter cakes and spent absorbents
- 07 07 10* Other filter cakes and spent absorbents
- 07 07 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 07 12 sludges from on-site effluent treatment other than those mentioned in 07 07 11
- 08 01 11* Waste paint or varnish containing organic solvents or other hazardous substances
- 08 01 12 waste paint and varnish other than those mentioned in 08 01 11
- 08 01 13* Sludges from paint or varnish containing organic solvents or other hazardous substances
- 08 01 14 sludges from paint or varnish other than those mentioned in 08 01 13
- 08 01 15* Aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances
- 08 01 16 aqueous sludges containing paint or varnish other than those mentioned in 08 01 15

- 08 01 17* Wastes from paint or varnish removal containing organic solvents or other hazardous substances
- 08 01 18 wastes from paint or varnish removal other than those mentioned in 08 01 17
- 08 01 19* aqueous suspensions containing paint or varnish containing organic solvents or dangerous substances
- 08 01 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
- 08 01 21* Waste paint or varnish remover
- 08 01 99 sharps used for sampling paint layers
- 08 02 01 waste coating powders
- 08 02 02 aqueous sludges containing ceramic materials
- 08 02 03 aqueous suspensions containing ceramic materials
- 08 03 07 aqueous sludges containing ink
- 08 03 08 aqueous liquid waste containing ink
- 08 03 12* Waste ink containing hazardous substances
- 08 03 13 waste ink other than those mentioned in 08 03 12
- 08 03 14* Ink sludges containing hazardous substances
- 08 03 15 ink sludges other than those mentioned in 08 03 14
- 08 03 16* Waste etching solutions
- 08 03 17* waste printing toner containing dangerous substances
- 08 03 18 waste printing toner other than those mentioned in 08 03 17
- 08 03 19* Disperse oil
- 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
- 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
- 08 04 11* Adhesive and sealant sludges containing organic solvents or other hazardous substances
- 08 04 12 adhesive and sealant sludges other than those mentioned in 08 04 11
- 08 04 13* Aqueous sludges containing adhesives or sealants containing organic solvents or other hazardous substances
- 08 04 14 aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
- 08 04 15* Aqueous liquid waste containing adhesives or sealants containing organic solvents or other hazardous substances
- 08 04 16 aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
- 08 04 17* Rosin oil
- 08 05 01* waste isocyanates
- 09 01 01* Water-based developer and activator solutions
- 09 01 02* Water-based offset plate developer solutions
- 09 01 03* Solvent-based developer solutions
- 09 01 04* Fixer solutions
- 09 01 05* Bleach solutions and bleach fixer solutions
- 09 01 06* Wastes containing silver from on-site treatment of photographic wastes
- 09 01 07 photographic film and paper containing silver or silver compounds
- 09 01 08 photographic film and paper free of silver or silver compounds
- 09 01 10 single-use cameras without batteries
- 09 01 11* single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
- 09 01 12 single-use cameras containing batteries other than those mentioned in 09 01 11
- 09 01 13* Aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06
- 10 01 01 bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
- 10 01 02 coal fly ash
- 10 01 03 fly ash from peat and untreated wood
- 10 01 04* Oil fly ash and boiler dust

- 10 01 05 calcium-based reaction wastes from flue-gas desulphurisation in solid form
- 10 01 07 calcium-based reaction wastes from flue-gas desulphurisation in sludge form
- 10 01 09* Sulphuric acid
- 10 01 13* Fly ash from emulsified hydrocarbons used as fuel
- 10 01 14* Bottom ash, slag and boiler dust from con-incineration containing hazardous substances
- 10 01 15 bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
- 10 01 16* Fly-ash from co-incineration containing hazardous substances
- 10 01 17 fly ash from co-incineration other than those mentioned in 10 01 16
- 10 01 18* Wastes from gas cleaning containing hazardous substances
- 10 01 19 wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
- 10 01 20* Sludges from on-site effluent treatment containing hazardous substances
- 10 01 21 sludges from on-site effluent treatment other than those mentioned in 10 01 20
- 10 01 22* Aqueous sludges from boiler cleansing containing hazardous substances
- 10 01 23 aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
- 10 01 24 sands from fluidised beds
- 10 01 25 wastes from fuel storage and preparation of coal-fired power plants
- 10 01 26 wastes from cooling-water treatment
- 10 02 01 wastes from the processing of slag
- 10 02 02 unprocessed slag
- 10 02 07* Solid wastes from gas treatment containing hazardous substances
- 10 02 08 solid wastes from gas treatment other than those mentioned in 10 02 07
- 10 02 10 mill scales
- 10 02 11* Wastes from cooling-water treatment containing oil
- 10 02 12 wastes from cooling-water treatment other than those mentioned in 10 02 11
- 10 02 13* Sludges and filter cakes from gas treatment containing hazardous substances
- 10 02 14 sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
- 10 02 15 other sludges and filter cakes
- 10 03 02 anode scraps
- 10 03 04* Primary production slags
- 10 03 05 waste alumina
- 10 03 08* Salt slags from secondary production
- 10 03 09* Black drosses from secondary production
- 10 03 15* Skimmings that are flammable or emit, upon contact with water, flammable gases in hazardous quantities
- 10 03 16 skimmings other than those mentioned in 10 03 15
- 10 03 17* Tar-containing wastes from anode manufacture
- 10 03 18 carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
- 10 03 19* Flue-gas dust containing hazardous substances
- 10 03 20 flue-gas dust other than those mentioned in 10 03 19
- 10 03 21* Other particulates and dust (including ball-mill dust) containing hazardous substances
- 10 03 22 other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
- 10 03 23* Solid wastes from gas treatment containing hazardous substances
- 10 03 24 solid wastes from gas treatment other than those mentioned in 10 03 23
- 10 03 25* Sludges and filter cakes from gas treatment containing hazardous substances.
- 10 03 26 sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
- 10 03 27* Wastes from cooling-water treatment containing oil
- 10 03 28 wastes from cooling-water treatment other than those mentioned in 10 03 27
- 10 03 29* Waste from the treatment of salt slags and black drosses containing hazardous substances
- 10 03 30 wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29

- 10 04 01* Slags from primary and secondary production
- 10 04 02* Dross and skimmings from primary and secondary production
- 10 04 03* Calcium arsenate
- 10 04 04* Flue-gas dust
- 10 04 05* Other particulates and dust
- 10 04 06* Solid wastes from gas treatment
- 10 04 07* Sludges and filter cakes from gas treatment
- 10 04 09* Wastes from cooling-water treatment containing oil
- 10 04 10 wastes from cooling-water treatment other than those mentioned in 10 04 09
- 10 05 01 slags from primary and secondary production
- 10 05 03* Flue-gas dust
- 10 05 04 other particulates and dust
- 10 05 05* Solid wastes from gas treatment
- 10 05 06* Sludges and filter cakes from gas treatment
- 10 05 08* Wastes from cooling-water treatment containing oil
- 10 05 09 wastes from cooling-water treatment other than those mentioned in 10 05 08
- 10 05 10* Dross and skimmings that are flammable or emit, upon contact with water, flammable gases in hazardous quantities
- 10 05 11 dross and skimmings other than those mentioned in 10 05 10
- 10 06 01 slags from primary and secondary production
- 10 06 02 dross and skimmings from primary and secondary production
- 10 06 03* Flue-gas dust
- 10 06 04 other particulates and dust
- 10 06 06* Solid wastes from gas treatment
- 10 06 07* Sludges and filter cakes from gas treatment
- 10 06 09* Wastes from cooling-water treatment containing oil
- 10 06 10 wastes from cooling-water treatment other than those mentioned in 10 06 09
- 10 07 01 slags from primary and secondary production
- 10 07 02 dross and skimmings from primary and secondary production
- 10 07 03 solid wastes from gas treatment
- 10 07 04 other particulates and dust
- 10 07 05 sludges and filter cakes from gas treatment
- 10 07 07* Wastes from cooling-water treatment containing oil
- 10 07 08 wastes from cooling-water treatment other than those mentioned in 10 07 07
- 10 08 04 particulates and dust
- 10 08 08* Salt slag from primary and secondary production
- 10 08 09 other slags
- 10 08 10* Dross and skimmings that are flammable or emit, upon contact with water, flammable gases in hazardous quantities
- 10 08 11 dross and skimmings other than those mentioned in 10 08 10
- 10 08 12* Tar-containing wastes from anode manufacture
- 10 08 13 carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
- 10 08 14 anode scrap
- 10 08 15* Flue-gas dust containing hazardous substances
- 10 08 16 flue-gas dust other than those mentioned in 10 08 15
- 10 08 17* Sludges and filter cakes from flue-gas treatment containing hazardous substances
- 10 08 18 sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
- 10 08 19* Wastes from cooling-water treatment containing oil
- 10 08 20 wastes from cooling-water treatment other than those mentioned in 10 08 19
- 10 09 03 furnace slag

- 10 09 05* Casting cores and moulds which have not undergone pouring containing hazardous substances
- 10 09 06 casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
- 10 09 07* Casting cores and moulds which have undergone pouring containing hazardous substances
- 10 09 08 casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
- 10 09 09* Flue-gas dust containing hazardous substances
- 10 09 10 flue-gas dust other than those mentioned in 10 09 09
- 10 09 11* Other particulates containing hazardous substances
- 10 09 12 other particulates other than those mentioned in 10 09 11
- 10 09 13* Waste binders containing hazardous substances
- 10 09 14 waste binders other than those mentioned in 10 09 13
- 10 09 15* Waste crack-indicating agent containing hazardous substances
- 10 09 16 waste crack-indicating agent other than those mentioned in 10 09 15
- 10 10 03 furnace slag
- 10 10 05* Casting cores and moulds which have not undergone pouring containing hazardous substances
- 10 10 06 casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
- 10 10 07* Casting cores and moulds which have undergone pouring containing hazardous substances
- 10 10 08 casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
- 10 10 09* Flue-gas dust containing hazardous substances
- 10 10 10 flue-gas dust other than those mentioned in 10 10 09
- 10 10 11* Other particulates containing hazardous substances
- 10 10 12 other particulates other than those mentioned in 10 10 11
- 10 10 13* Waste binders containing hazardous substances
- 10 10 14 waste binders other than those mentioned in 10 10 13
- 10 10 15* waste crack-indicating agent containing hazardous substances
- 10 10 16 waste crack-indicating agent other than those mentioned in 10 10 15
- 10 11 03 waste glass-based fibrous materials
- 10 11 05 particulates and dust
- 10 11 09* Waste preparation mixture before thermal processing, containing hazardous substances
- 10 11 10 waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
- 10 11 11* Waste glass in small particles and glass powder containing heavy metals (for example from cathode ray tubes)
- 10 11 12 waste glass other than those mentioned in 10 11 11
- 10 11 13* Glass-polishing and –grinding sludge containing hazardous substances
- 10 11 14 glass-polishing and -grinding sludge other than those mentioned in 10 11 13
- 10 11 15* Solid wastes from flue-gas treatment containing hazardous substances
- 10 11 16 solid wastes from flue-gas treatment other than those mentioned in 10 11 15
- 10 11 17* Sludges and filter cake from flue-gas treatment containing hazardous substances
- 10 11 18 sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
- 10 11 19* Solids from on-site effluent treatment containing hazardous substances
- 10 11 20 solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
- 10 12 01 waste preparation mixture before thermal processing
- 10 12 03 particulates and dust
- 10 12 05 sludges and filter cakes from gas treatment
- 10 12 06 discarded moulds

- 10 12 08 waste ceramics, bricks, tiles and construction products (after thermal processing)
- 10 12 09* Solid wastes from gas treatment containing hazardous substances
- 10 12 10 solid wastes from gas treatment other than those mentioned in 10 12 09
- 10 12 11* Wastes from glazing containing heavy metals
- 10 12 12 wastes from glazing other than those mentioned in 10 12 11
- 10 12 13 sludge from on-site effluent treatment
- 10 13 01 waste preparation mixture before thermal processing
- 10 13 04 wastes from calcination and hydration of lime
- 10 13 06 particulates and dust (except 10 13 12 and 10 13 13)
- 10 13 07 sludges and filter cakes from gas treatment
- 10 13 09* Wastes from asbestos-cement manufacture containing asbestos
- 10 13 10 wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
- 10 13 11 wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
- 10 13 12* Solid wastes from gas treatment containing hazardous substances
- 10 13 13 solid wastes from gas treatment other than those mentioned in 10 13 12
- 10 13 14 waste concrete and concrete sludge
- 10 14 01* Waste from gas cleaning containing mercury
- 11 01 05* Pickling acids
- 11 01 06* Acids not otherwise specified
- 11 01 07* Pickling bases
- 11 01 08* Phosphatising sludges
- 11 01 09* Sludges and filter cakes containing hazardous substances
- 11 01 10 sludges and filter cakes other than those mentioned in 11 01 09
- 11 01 11* Aqueous rinsing liquids containing hazardous substances
- 11 01 12 aqueous rinsing liquids other than those mentioned in 11 01 11
- 11 01 13* Degreasing wastes containing hazardous substances
- 11 01 14 degreasing wastes other than those mentioned in 11 01 13
- 11 01 15* Eluate and sludges from membrane systems or ion exchange systems containing hazardous substances
- 11 01 16* Saturated or spent ion exchange resins
- 11 01 98* Other wastes containing hazardous substances
- 11 02 02* Sludges from zinc hydrometallurgy
- 11 02 03 wastes from the production of anodes for aqueous electrolytical processes
- 11 02 05* Wastes from copper hydrometallurgical processes containing hazardous substances
- 11 02 06 wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
- 11 02 07* Other wastes containing hazardous substances
- 11 03 01* Wastes containing cyanide
- 11 03 02* Other wastes
- 11 05 01 hard zinc
- 11 05 02 zinc ash
- 11 05 03* Solid wastes from gas treatment
- 11 05 04* Spent flux
- 12 01 01 ferrous metal filings and turnings
- 12 01 02 ferrous metal dust and particles
- 12 01 03 non-ferrous metal filings and turnings
- 12 01 04 non-ferrous metal dust and particles
- 12 01 05 plastics shavings and turnings
- 12 01 06* Mineral based machining oils containing halogens (except emulsions and solutions)
- 12 01 07* Mineral based machining oils free of halogens (except emulsions and solutions)
- 12 01 08* Machining emulsions and solutions containing halogens

- 12 01 09* Machining emulsions and solutions free of halogens
- 12 01 10* Synthetic machining oils
- 12 01 12* Spent waxes and fats
- 12 01 13 welding wastes
- 12 01 14* Machining sludges containing hazardous substances
- 12 01 15 machining sludges other than those mentioned in 12 01 14
- 12 01 16* Waste blasting material containing hazardous substances
- 12 01 17 waste blasting material other than those mentioned in 12 01 16
- 12 01 18* Metal sludges (grinding, honing and lapping sludge) containing oil
- 12 01 19* Readily biodegradable machining oil
- 12 01 20* Spent grinding bodies and grinding materials containing hazardous substances
- 12 01 21 spent grinding bodies and grinding materials other than those mentioned in 12 01 20
- 12 03 01* Aqueous washing liquids
- 12 03 02* Steam degreasing wastes
- 13 01 01* Hydraulic oils, containing PCBs
- 13 01 04* Chlorinated emulsions
- 13 01 05* Non-chlorinated emulsions
- 13 01 09* Mineral-based chlorinated hydraulic oils
- 13 01 10* Mineral-based non-chlorinated hydraulic oils
- 13 01 11* Synthetic hydraulic oils
- 13 01 12* Readily biodegradable hydraulic oils
- 13 01 13* Other hydraulic oils
- 13 02 04* Mineral-based chlorinated engine, gear and lubricating oils
- 13 02 05* Mineral based non-chlorinated engine, gear and lubricating oils
- 13 02 06* Synthetic engine, gear and lubricating oils
- 13 02 07* Readily biodegradable engine, gear and lubricating oils
- 13 02 08* Other engine, gear and lubricating oils
- 13 03 01* Insulating or heat transmission oils containing PCBs
- 13 03 06* Mineral-based chlorinated insulating or heat transmission oils other than those mentioned in 13 03 01
- 13 03 07* Mineral-based non-chlorinated insulating or heat transmission oils
- 13 03 08* Synthetic insulating and heat transmission oils
- 13 03 09* Readily biodegradable insulating and heat transmission oils
- 13 03 10* Other insulating and heat transmission oils
- 13 04 01* Bilge oils from inland navigation
- 13 04 02* Bilge oils from jetty sewers
- 13 04 03* Bilge oils from other navigation
- 13 05 01* Solids from grit chambers and oil/water separators
- 13 05 02* Sludges from oil/water separators
- 13 05 03* Interceptor sludges
- 13 05 06* Oil from oil/water separators
- 13 05 07* Oily water from oil/water separators
- 13 05 08* Mixtures of wastes from grit chambers and oil/water separators
- 13 07 01* Fuel oil and diesel
- 13 07 02* Petrol
- 13 07 03* Other fuels (including mixtures)
- 13 08 01* Desalter sludges or emulsions
- 13 08 02* Other emulsions
- 14 06 01* Chlorofluorocarbons, HCFC, HFC
- 14 06 02* Other halogenated solvents and solvent mixtures
- 14 06 03* Other solvents and solvent mixtures

- 14 06 03* Other solvents and solvent mixtures
- 14 06 04* Sludges or solid wastes containing halogenated solvents
- 14 06 05* Sludges or solid wastes containing other solvents
- 15 01 01 paper and cardboard packaging
- 15 01 02 plastic packaging
- 15 01 03 wooden packaging
- 15 01 04 metallic packaging
- 15 01 05 composite packaging
- 15 01 06 mixed packaging
- 15 01 07 glass packaging
- 15 01 09 textile packaging
- 15 01 10* Packaging containing residues or contaminated by hazardous substances
- 15 01 11* Metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers
- 15 02 02* Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances
- 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
- 16 01 03 end-of-life tyres
- 16 01 04* end-of-life vehicles
- 16 01 06 end-of-life vehicles, containing neither liquids nor other hazardous components
- 16 01 07* Oil filters
- 16 01 08* Components containing mercury
- 16 01 09* Components containing PCBs
- 16 01 11* Brake pads containing asbestos
- 16 01 12 brake pads other than those mentioned in 16 01 11
- 16 01 13* Brake fluids
- 16 01 14* Antifreeze fluids containing hazardous substances
- 16 01 15 antifreeze fluids other than those mentioned in 16 01 14
- 16 01 16 tanks for liquefied gas
- 16 01 17 ferrous metal
- 16 01 18 non-ferrous metal
- 16 01 19 plastic
- 16 01 20 glass
- 16 01 21* Hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
- 16 01 22 components not otherwise specified
- 16 02 09* Transformers and capacitors containing PCBs
- 16 02 10* Discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
- 16 02 11* Discarded equipment containing chlorofluorocarbons, HCFC, HFC
- 16 02 12* Discarded equipment containing free asbestos
- 16 02 13* Discarded equipment containing components other than those mentioned in 16 02 09 to 16 02 12
- 16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13
- 16 02 15* Hazardous components removed from discarded equipment
- 16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15
- 16 03 03* Inorganic wastes containing hazardous substances
- 16 03 04 inorganic wastes other than those mentioned in 16 03 03
- 16 03 05* Organic wastes containing hazardous substances
- 16 03 06 organic wastes other than those mentioned in 16 03 05

- 16 03 07* Metallic mercury
- 16 05 04* Gases in pressure containers (including halons) containing hazardous substances
- 16 05 05 gases in pressure containers other than those mentioned in 16 05 04
- 16 05 06* Laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals
- 16 05 07* Discarded inorganic chemicals consisting of or containing hazardous substances
- 16 05 08* Discarded organic chemicals consisting of or containing hazardous substances
- 16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
- 16 06 01* Lead batteries
- 16 06 02* Ni-Cd batteries
- 16 06 03* Mercury-containing batteries
- 16 06 04 alkaline batteries (except 16 06 03)
- 16 06 05 other batteries and accumulators
- 16 06 06* Separately collected electrolyte from batteries and accumulators
- 16 07 08* Wastes containing oil
- 16 07 09* Wastes containing other hazardous substances
- 16 08 01 spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
- 16 08 02* Spent catalysts containing hazardous transition metals or hazardous transition metal compounds
- 16 08 03 spent catalysts containing transition metals or transition metal compounds not otherwise specified
- 16 08 04 spent fluid catalytic cracking catalysts (except 16 08 07)
- 16 08 05* Spent catalysts containing phosphoric acid
- 16 08 06* Spent liquids used as catalysts
- 16 08 07* Spent catalysts contaminated with hazardous substances
- 16 09 01* Permanganates, for example potassium permanganate
- 16 09 02* Chromates, for example potassium chromate, potassium or sodium dichromate
- 16 09 03* Peroxides, for example hydrogen peroxide
- 16 09 04* Oxidising substances, not otherwise specified
- 16 10 01* Aqueous liquid wastes containing hazardous substances
- 16 10 02 aqueous liquid wastes other than those mentioned in 16 10 01
- 16 10 03* Aqueous concentrates containing hazardous substances
- 16 10 04 aqueous concentrates other than those mentioned in 16 10 03
- 16 11 01* Carbon-based linings and refractories from metallurgical processes containing hazardous substances
- 16 11 02 carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
- 16 11 03* Other linings and refractories from metallurgical processes containing hazardous substances
- 16 11 04 other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
- 16 11 05* Linings and refractories from non-metallurgical processes containing hazardous substances
- 16 11 06 linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
- 17 01 01 concrete
- 17 01 02 bricks
- 17 01 03 tiles and ceramics
- 17 01 06* Mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing hazardous substances
- 17 01 07 mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
- 17 02 01 wood

- 17 02 02 glass
- 17 02 03 plastic
- 17 02 04* Glass, plastic and wood containing or contaminated with hazardous substances
- 17 03 01* Bituminous mixtures containing coal tar
- 17 03 02 bituminous mixtures other than those mentioned in 17 03 01
- 17 03 03* Coal tar and tarred products
- 17 04 01 copper, bronze, brass
- 17 04 02 aluminium
- 17 04 03 lead
- 17 04 04 zinc
- 17 04 05 iron and steel
- 17 04 06 tin
- 17 04 07 mixed metals
- 17 04 09* Metal waste contaminated with hazardous substances
- 17 04 10* Cables containing oil, coal tar and other hazardous substances
- 17 04 11 cables other than those mentioned in 17 04 10
- 17 05 03* Soil and stones containing hazardous substances
- 17 05 04 soil and stones other than those mentioned in 17 05 03
- 17 05 05* Dredging spoil containing hazardous substances
- 17 05 06 dredging spoil other than those mentioned in 17 05 05
- 17 05 07* Track ballast containing hazardous substances
- 17 05 08 track ballast other than those mentioned in 17 05 07
- 17 06 01* Insulation materials containing asbestos
- 17 06 03* Other insulation materials consisting of or containing hazardous substances
- 17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03
- 17 06 05* Construction materials containing asbestos
- 17 08 01* Gypsum-based construction materials contaminated with hazardous substances
- 17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01
- 17 09 01* Construction and demolition wastes containing mercury
- 17 09 02* Construction and demolition wastes containing PCBs
- 17 09 03* Other construction and demolition wastes (including mixed wastes) containing hazardous substances
- 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
- 18 01 01 sharps (except 18 01 03)
- 18 01 06* chemicals consisting of or containing dangerous substances
- 18 01 07 chemicals other than those mentioned in 18 01 06
- 18 01 08* cytotoxic and cytostatic medicines
- 18 01 09 medicines other than those mentioned in 18 01 08
- 18 02 01 sharps (except 18 02 02)
- 18 02 05* chemicals consisting of or containing dangerous substances
- 18 02 06 chemicals other than those mentioned in 18 02 05
- 18 02 07* cytotoxic and cytostatic medicines
- 18 02 08 medicines other than those mentioned in 18 02 07
- 19 01 02 ferrous materials removed from bottom ash
- 19 01 05* Filter cake from gas treatment
- 19 01 06* Aqueous liquid wastes from gas treatment and other aqueous liquid wastes
- 19 01 07* Solid wastes from gas treatment
- 19 01 10* Spent activated carbon from flue-gas treatment
- 19 01 11* Bottom ash and slag containing hazardous substances
- 19 01 12 bottom ash and slag other than those mentioned in 19 01 11

- 19 01 13* Fly ash containing hazardous substances
- 19 01 14 fly ash other than those mentioned in 19 01 13
- 19 01 15* Boiler dust containing hazardous substances
- 19 01 16 boiler dust other than those mentioned in 19 01 15
- 19 01 17* Pyrolysis wastes containing hazardous substances
- 19 01 18 pyrolysis wastes other than those mentioned in 19 01 17
- 19 01 19 sands from fluidised beds
- 19 02 03 premixed wastes composed only of non-hazardous wastes
- 19 02 04* Premixed wastes composed of at least one hazardous waste
- 19 02 05* Sludges from physico/chemical treatment containing hazardous substances
- 19 02 06 sludges from physico/chemical treatment other than those mentioned in 19 02 05
- 19 02 07* Oil and concentrates from separation
- 19 02 08* Liquid combustible wastes containing hazardous substances
- 19 02 09* Solid combustible wastes containing hazardous substances
- 19 02 10 combustible wastes other than those mentioned in 19 02 08 and 19 02 09
- 19 02 11* Other wastes containing hazardous substances
- 19 03 04* Wastes marked as hazardous, partly stabilised other than 19 03 08*
- 19 03 05 stabilised wastes other than those mentioned in 19 03 04
- 19 03 06* Wastes marked as hazardous, solidified
- 19 03 07 solidified wastes other than those mentioned in 19 03 06
- 19 04 01 vitrified waste
- 19 04 02* Fly ash and other flue-gas treatment wastes
- 19 04 03* Non-vitrified solid phase
- 19 04 04 aqueous liquid wastes from vitrified waste tempering
- 19 05 01 non-composted fraction of municipal and similar wastes
- 19 05 02 non-composted fraction of animal and vegetable waste
- 19 05 03 off-specification compost
- 19 06 03 liquor from anaerobic treatment of municipal waste
- 19 06 04 digestate from anaerobic treatment of municipal waste
- 19 06 05 liquor from anaerobic treatment of animal and vegetable waste
- 19 06 06 digestate from anaerobic treatment of animal and vegetable waste
- 19 07 02* Landfill leachate containing hazardous substances
- 19 07 03 landfill leachate other than those mentioned in 19 07 02
- 19 08 01 screenings
- 19 08 02 waste from desanding
- 19 08 05 sludges from treatment of urban waste water
- 19 08 06* Saturated or spent ion exchange resins
- 19 08 07* Solutions and sludges from the regeneration of ion exchangers
- 19 08 08* Membrane system waste containing heavy metals
- 19 08 09 grease and oil mixture from oil/water separation containing only edible oil and fats
- 19 08 10* Grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
- 19 08 11* Sludges containing hazardous substances from biological treatment of industrial waste water
- 19 08 12 sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
- 19 08 13* Sludges containing hazardous substances from other treatment of industrial waste water
- 19 08 14 sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
- 19 09 01 solid waste from primary filtration and screenings
- 19 09 02 sludges from water clarification
- 19 09 03 sludges from decarbonation

- 19 09 04 spent activated carbon
- 19 09 05 saturated or spent ion exchange resins
- 19 09 06 solutions and sludges from regeneration of ion exchangers
- 19 10 01 iron and steel waste
- 19 10 02 non-ferrous waste
- 19 10 03* Fluff-light fraction and dust containing hazardous substances
- 19 10 04 fluff-light fraction and dust other than those mentioned in 19 10 03
- 19 10 05* Other fractions containing hazardous substances
- 19 10 06 other fractions other than those mentioned in 19 10 05
- 19 11 01* Spent filter clays
- 19 11 02* Acid tars
- 19 11 03* Aqueous liquid wastes
- 19 11 04* Wastes from cleaning of fuel with bases
- 19 11 05* Sludges from on-site effluent treatment containing hazardous substances
- 19 11 06 sludges from on-site effluent treatment other than those mentioned in 19 11 05
- 19 11 07* Wastes from flue-gas cleaning
- 19 12 01 paper and cardboard
- 19 12 02 ferrous metal
- 19 12 03 non-ferrous metal
- 19 12 04 plastic and rubber
- 19 12 05 glass
- 19 12 06* Wood containing hazardous substances
- 19 12 07 wood other than that mentioned in 19 12 06
- 19 12 08 textiles
- 19 12 09 minerals (for example sand, stones)
- 19 12 10 combustible waste (refuse derived fuel)
- 19 12 11* Other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances
- 19 12 12 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
- 19 13 01* Solid wastes from soil remediation containing hazardous substances
- 19 13 02 solid wastes from soil remediation other than those mentioned in 19 13 01
- 19 13 03* Sludges from soil remediation containing hazardous substances
- 19 13 04 sludges from soil remediation other than those mentioned in 19 13 03
- 19 13 05* Sludges from groundwater remediation containing hazardous substances
- 19 13 06 sludges from groundwater remediation other than those mentioned in 19 13 05
- 19 13 07* Aqueous liquid wastes and aqueous concentrates from groundwater remediation containing hazardous substances
- 19 13 08 aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
- 20 01 01 paper and cardboard
- 20 01 02 glass
- 20 01 08 biodegradable kitchen and canteen waste
- 20 01 10 clothes
- 20 01 11 textiles
- 20 01 13* Solvents
- 20 01 14* Acids
- 20 01 15* Alkalines
- 20 01 17* Photochemicals
- 20 01 19* Pesticides
- 20 01 21* Fluorescent tubes and other mercury-containing waste

- 20 01 23* Discarded equipment containing chlorofluorocarbons
- 20 01 25 edible oil and fat
- 20 01 26* Oil and fat other than those mentioned in 20 01 25
- 20 01 27* paint, inks, adhesives and resins containing dangerous substances
- 20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27
- 20 01 29* Detergents containing hazardous substances
- 20 01 30 detergents other than those mentioned in 20 01 29
- 20 01 31* Cytotoxic and cytostatic medicines
- 20 01 32 medicines other than those mentioned in 20 01 31
- 20 01 33* Batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
- 20 01 34 batteries and accumulators other than those mentioned in 20 01 33
- 20 01 35* Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
- 20 01 36 discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
- 20 01 37* Wood containing hazardous substances
- 20 01 38 wood other than that mentioned in 20 01 37
- 20 01 39 plastics
- 20 01 40 metals
- 20 01 41 wastes from chimney sweeping
- 20 02 01 biodegradable waste
- 20 02 02 soil and stones
- 20 02 03 other non-biodegradable wastes
- 20 03 01 mixed municipal waste
- 20 03 02 waste from markets
- 20 03 03 street-cleaning residues
- 20 03 04 septic tank sludge
- 20 03 06 waste from sewage cleaning
- 20 03 07 bulky waste

A5 Aerosol Waste Treatment

- 16 05 04* gases in pressure containers (including halons) containing dangerous substances
- 16 05 05 gases in pressure containers other than those mentioned in 16 05 04

A6 Airbag Waste Treatment

- 16 01 10* explosive components (for example air bags)

A7 Storage and transfer of Hazardous Waste

- 01 03 04* Acid generating tailings from processing of sulphide ore
- 01 03 05* Other tailings containing hazardous substances
- 01 03 07* Other wastes containing hazardous substances from physical and chemical processing of metalliferous minerals
- 01 04 07* Wastes containing hazardous substances from physical and chemical processing of nonmetalliferous minerals
- 01 05 05* Oil-containing drilling muds and wastes
- 01 05 06* Drilling muds and other drilling wastes containing hazardous substances
- 02 01 08* Agrochemical waste containing hazardous substances

- 03 01 04* Sawdust, shavings, cuttings, wood, particle board and veneer containing hazardous substances
- 03 02 01* Non-halogenated organic wood preservatives
- 03 02 02* Non-halogenated organic wood preservatives
- 03 02 03* Organometallic wood preservatives
- 03 02 04* Inorganic wood preservatives
- 03 02 05* Other wood preservatives containing hazardous substances
- 04 01 03* Degreasing wastes containing solvents without a liquid phase
- 04 02 14* Wastes from finishing containing organic solvents
- 04 02 16* Dyestuffs and pigments containing hazardous substances
- 04 02 19* Sludges from on-site effluent treatment containing hazardous substances
- 05 01 02* Desalter sludges
- 05 01 03* Tank bottom sludges
- 05 01 04* Acid alkyl sludges
- 05 01 05* Oil spills
- 05 01 06* Oily sludges from maintenance operations of the plant or equipment
- 05 01 07* Acid tars
- 05 01 08* Other tars
- 05 01 09* Sludges from on-site effluent treatment containing hazardous substances
- 05 01 11* Wastes from cleaning of fuels with bases
- 05 01 12* Oil containing acids
- 05 01 15* Spent filter clays
- 05 06 01* Acid tars
- 05 06 03* Other tars
- 05 07 01* Wastes containing mercury
- 06 01 01* Sulphuric and sulphurous acid
- 06 01 02* Hydrochloric acid
- 06 01 03* Hydrofluoric acid
- 06 01 04* Phosphoric and phosphorous acid
- 06 01 05* Nitric and nitrous acid
- 06 01 06* Other acids
- 06 02 01* Calcium hydroxide
- 06 02 03* Ammonium hydroxide
- 06 02 04* Sodium and potassium hydroxide
- 06 02 05* Other bases
- 06 03 11* Solid salts and solutions containing cyanides
- 06 03 13* Solid salts and solutions containing heavy metals
- 06 03 15* Metallic oxides containing heavy metals
- 06 04 03* Wastes containing arsenic
- 06 04 04* Wastes containing mercury
- 06 04 05* Wastes containing other heavy metals
- 06 05 02* Sludges from on-site effluent treatment containing hazardous substances
- 06 06 02* Wastes containing hazardous sulphides
- 06 07 02* Activated carbon from chlorine production
- 06 07 03* Barium sulphate sludge containing mercury
- 06 07 04* Solutions and acids, for example contact acid
- 06 08 02* Wastes containing hazardous chlorosilanes

- 06 09 03* Calcium-based reaction wastes containing or contaminated with hazardous substances
- 06 10 02* Wastes containing hazardous substances
- 06 13 01* Inorganic plant protection products, wood-preserving agents and other biocides
- 06 13 02* Spent activated carbon
- 06 13 04* Wastes from asbestos processing
- 06 13 05* Soot
- 07 01 01* Aqueous washing liquids and mother liquors
- 07 01 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 01 04* Other Organic solvents, washing liquids and mother liquors
- 07 01 07* Halogenated still bottoms and reaction residues
- 07 01 08* Other still bottoms and reaction residues
- 07 01 09* Halogenated filter cakes and spent absorbents
- 07 01 10* Other filter cakes and spent absorbents
- 07 01 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 02 01* Aqueous washing liquids and mother liquors
- 07 02 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 02 04* Other organic solvents, washing liquids and mother liquors
- 07 02 07* Halogenated still bottoms and reaction residues
- 07 02 08* Other still bottoms and reaction residues
- 07 02 09* Halogenated filter cakes and spent absorbents
- 07 02 10* Other filter cakes and spent absorbents
- 07 02 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 02 14* Wastes from additives containing hazardous substances
- 07 02 16* Wastes containing hazardous silicones
- 07 03 01* Aqueous washing liquids and mother liquors
- 07 03 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 03 04* Other organic solvents, washing liquids and mother liquors
- 07 03 07* Halogenated still bottoms and reaction residues
- 07 03 08* Other still bottoms and reaction residues
- 07 03 09* Halogenated filter cakes and spent absorbents
- 07 03 10* Other filter cakes and spent absorbents
- 07 03 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 04 01* Aqueous washing liquids and mother liquors
- 07 04 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 04 04* Other organic solvents, washing liquids and mother liquors
- 07 04 07* Halogenated still bottoms and reaction residues
- 07 04 08* Other still bottoms and reaction residues
- 07 04 09* Halogenated filter cakes and spent absorbents
- 07 04 10* Other filter cakes and spent absorbents
- 07 04 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 04 13* Solids wastes containing hazardous substances
- 07 05 01* Aqueous liquids and mother liquors
- 07 05 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 05 04* Other organic solvents, washing liquids and mother liquors
- 07 05 07* Halogenated still bottoms and reaction residues
- 07 05 08* Other still bottoms and reaction residues
- 07 05 09* Halogenated filter cakes and spent absorbents
- 07 05 10* Other filter cakes and spent absorbents

- 07 05 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 05 13* Solid wastes containing hazardous substances
- 07 06 01* Aqueous liquids and mother liquors
- 07 06 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 06 04* Other organic solvents, washing liquids and mother liquors
- 07 06 07* Halogenated still bottoms and reaction residues
- 07 06 08* Other still bottoms and reaction residues
- 07 06 09* Halogenated filter cakes and spent absorbents
- 07 06 10* Other filter cakes and spent absorbents
- 07 06 11* Sludges from on-site effluent treatment containing hazardous substances
- 07 07 01* Aqueous liquids and mother liquors
- 07 07 03* Organic halogenated solvents, washing liquids and mother liquors
- 07 07 04* Other organic solvents, washing liquids and mother liquors
- 07 07 07* Halogenated still bottoms and reaction residues
- 07 07 08* Other still bottoms and reaction residues
- 07 07 09* Halogenated filter cakes and spent absorbents
- 07 07 10* Other filter cakes and spent absorbents
- 07 07 11* Sludges from on-site effluent treatment containing hazardous substances
- 08 01 11* Waste paint or varnish containing organic solvents or other hazardous substances
- 08 01 13* Sludges from paint or varnish containing organic solvents or other hazardous substances
- 08 01 15* Aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances
- 08 01 17* Wastes from paint or varnish removal containing organic solvents or other hazardous substances
- 08 01 19* Aqueous suspensions containing paint or varnish containing organic solvents or other hazardous substances
- 08 01 21* Waste paint or varnish remover
- 08 03 12* Waste ink containing hazardous substances
- 08 03 14* Ink sludges containing hazardous substances
- 08 03 16* Waste etching solutions
- 08 03 17* Waste printing toner containing hazardous substances
- 08 03 19* Disperse oil
- 08 04 09* Waste adhesives and sealants containing organic solvents or other hazardous substances
- 08 04 11* Adhesive and sealant sludges containing organic solvents or other hazardous substances
- 08 04 13* Aqueous sludges containing adhesives or sealants containing organic solvents or other hazardous substances
- 08 04 15* Aqueous liquid waste containing adhesives or sealants containing organic solvents or other hazardous substances
- 08 04 17* Rosin oil
- 08 05 01* Waste isocyanates
- 09 01 01* Water-based developer and activator solutions
- 09 01 02* Water-based offset plate developer solutions
- 09 01 03* Solvent-based developer solutions
- 09 01 04* Fixer solutions
- 09 01 05* Bleach solutions and bleach fixer solutions
- 09 01 06* Wastes containing silver from on-site treatment of photographic wastes

- 09 01 11* single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
- 09 01 13* Aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06
- 10 01 04* Oil fly ash and boiler dust
- 10 01 09* Sulphuric acid
- 10 01 13* Fly ash from emulsified hydrocarbons used as fuel
- 10 01 14* Bottom ash, slag and boiler dust from con-incineration containing hazardous substances
- 10 01 16* Fly-ash from co-incineration containing hazardous substances
- 10 01 18* Wastes from gas cleaning containing hazardous substances
- 10 01 20* Sludges from on-site effluent treatment containing hazardous substances
- 10 01 22* Aqueous sludges from boiler cleansing containing hazardous substances
- 10 02 07* Solid wastes from gas treatment containing hazardous substances
- 10 02 11* Wastes from cooling-water treatment containing oil
- 10 02 13* Sludges and filter cakes from gas treatment containing hazardous substances
- 10 03 04* Primary production slags
- 10 03 08* Salt slags from secondary production
- 10 03 09* Black drosses from secondary production
- 10 03 15* Skimmings that are flammable or emit, upon contact with water, flammable gases in hazardous quantities
- 10 03 17* Tar-containing wastes from anode manufacture
- 10 03 19* Flue-gas dust containing hazardous substances
- 10 03 21* Other particulates and dust (including ball-mill dust) containing hazardous substances
- 10 03 23* Solid wastes from gas treatment containing hazardous substances
- 10 03 25* Sludges and filter cakes from gas treatment containing hazardous substances.
- 10 03 27* Wastes from cooling-water treatment containing oil
- 10 03 29* Waste from the treatment of salt slags and black drosses containing hazardous substances
- 10 04 01* Slags from primary and secondary production
- 10 04 02* Dross and skimmings from primary and secondary production
- 10 04 03* Calcium arsenate
- 10 04 04* Flue-gas dust
- 10 04 05* Other particulates and dust
- 10 04 06* Solid wastes from gas treatment
- 10 04 07* Sludges and filter cakes from gas treatment
- 10 04 09* Wastes from cooling-water treatment containing oil
- 10 05 03* Flue-gas dust
- 10 05 05* Solid wastes from gas treatment
- 10 05 06* Sludges and filter cakes from gas treatment
- 10 05 08* Wastes from cooling-water treatment containing oil
- 10 05 10* Dross and skimmings that are flammable or emit, upon contact with water, flammable gases in hazardous quantities
- 10 06 03* Flue-gas dust
- 10 06 06* Solid wastes from gas treatment
- 10 06 07* Sludges and filter cakes from gas treatment
- 10 06 09* Wastes from cooling-water treatment containing oil

- 10 07 07* Wastes from cooling-water treatment containing oil
- 10 08 08* Salt slag from primary and secondary production
- 10 08 10* Dross and skimmings that are flammable or emit, upon contact with water, flammable gases in hazardous quantities
- 10 08 12* Tar-containing wastes from anode manufacture
- 10 08 15* Flue-gas dust containing hazardous substances
- 10 08 17* Sludges and filter cakes from flue-gas treatment containing hazardous substances
- 10 08 19* Wastes from cooling-water treatment containing oil
- 10 09 05* Casting cores and moulds which have not undergone pouring containing hazardous substances
- 10 09 07* Casting cores and moulds which have undergone pouring containing hazardous substances
- 10 09 09* Flue-gas dust containing hazardous substances
- 10 09 11* Other particulates containing hazardous substances
- 10 09 13* Waste binders containing hazardous substances
- 10 09 15* Waste crack-indicating agent containing hazardous substances
- 10 10 05* Casting cores and moulds which have not undergone pouring containing hazardous substances
- 10 10 07* Casting cores and moulds which have undergone pouring containing hazardous substances
- 10 10 09* Flue-gas dust containing hazardous substances
- 10 10 11* Other particulates containing hazardous substances
- 10 10 13* Waste binders containing hazardous substances
- 10 10 15* waste crack-indicating agent containing hazardous substances
- 10 11 09* Waste preparation mixture before thermal processing, containing hazardous substances
- 10 11 11* Waste glass in small particles and glass powder containing heavy metals (for example from cathode ray tubes)
- 10 11 13* Glass-polishing and –grinding sludge containing hazardous substances
- 10 11 15* Solid wastes from flue-gas treatment containing hazardous substances
- 10 11 17* Sludges and filter cake from flue-gas treatment containing hazardous substances
- 10 11 19* Solids from on-site effluent treatment containing hazardous substances
- 10 12 09* Solid wastes from gas treatment containing hazardous substances
- 10 12 11* Wastes from glazing containing heavy metals
- 10 13 09* Wastes from asbestos-cement manufacture containing asbestos
- 10 13 12* Solid wastes from gas treatment containing hazardous substances
- 10 14 01* Waste from gas cleaning containing mercury
- 11 01 05* Pickling acids
- 11 01 06* Acids not otherwise specified
- 11 01 07* Pickling bases
- 11 01 08* Phosphatising sludges
- 11 01 09* Sludges and filter cakes containing hazardous substances
- 11 01 11* Aqueous rinsing liquids containing hazardous substances
- 11 01 13* Degreasing wastes containing hazardous substances
- 11 01 15* Eluate and sludges from membrane systems or ion exchange systems containing hazardous substances
- 11 01 16* Saturated or spent ion exchange resins
- 11 01 98* Other wastes containing hazardous substances
- 11 02 02* Sludges from zinc hydrometallurgy

- 11 02 05* Wastes from copper hydrometallurgical processes containing hazardous substances
- 11 02 07* Other wastes containing hazardous substances
- 11 03 01* Wastes containing cyanide
- 11 03 02* Other wastes
- 11 05 03* Solid wastes from gas treatment
- 11 05 04* Spent flux
- 12 01 06* Mineral based machining oils containing halogens (except emulsions and solutions)
- 12 01 07* Mineral based machining oils free of halogens (except emulsions and solutions)
- 12 01 08* Machining emulsions and solutions containing halogens
- 12 01 09* Machining emulsions and solutions free of halogens
- 12 01 10* Synthetic machining oils
- 12 01 12* Spent waxes and fats
- 12 01 14* Machining sludges containing hazardous substances
- 12 01 16* Waste blasting material containing hazardous substances
- 12 01 18* Metal sludges (grinding, honing and lapping sludge) containing oil
- 12 01 19* Readily biodegradable machining oil
- 12 01 20* Spent grinding bodies and grinding materials containing hazardous substances
- 12 03 01* Aqueous washing liquids
- 12 03 02* Steam degreasing wastes
- 13 01 01* Hydraulic oils, containing PCBs
- 13 01 04* Chlorinated emulsions
- 13 01 05* Non-chlorinated emulsions
- 13 01 09* Mineral-based chlorinated hydraulic oils
- 13 01 10* Mineral-based non-chlorinated hydraulic oils
- 13 01 11* Synthetic hydraulic oils
- 13 01 12* Readily biodegradable hydraulic oils
- 13 01 13* Other hydraulic oils
- 13 02 04* Mineral-based chlorinated engine, gear and lubricating oils
- 13 02 05* Mineral based non-chlorinated engine, gear and lubricating oils
- 13 02 06* Synthetic engine, gear and lubricating oils
- 13 02 07* Readily biodegradable engine, gear and lubricating oils
- 13 02 08* Other engine, gear and lubricating oils
- 13 03 01* Insulating or heat transmission oils containing PCBs
- 13 03 06* Mineral-based chlorinated insulating or heat transmission oils other than those mentioned in 13 03 01
- 13 03 07* Mineral-based non-chlorinated insulating or heat transmission oils
- 13 03 08* Synthetic insulating and heat transmission oils
- 13 03 09* Readily biodegradable insulating and heat transmission oils
- 13 03 10* Other insulating and heat transmission oils
- 13 04 01* Bilge oils from inland navigation
- 13 04 02* Bilge oils from jetty sewers
- 13 04 03* Bilge oils from other navigation
- 13 05 01* Solids from grit chambers and oil/water separators
- 13 05 02* Sludges from oil/water separators
- 13 05 03* Interceptor sludges
- 13 05 06* Oil from oil/water separators
- 13 05 07* Oily water from oil/water separators

- 13 05 08* Mixtures of wastes from grit chambers and oil/water separators
- 13 07 01* Fuel oil and diesel
- 13 07 02* Petrol
- 13 07 03* Other fuels (including mixtures)
- 13 08 01* Desalter sludges or emulsions
- 13 08 02* Other emulsions
- 14 06 01* Chlorofluorocarbons, HCFC, HFC
- 14 06 02* Other halogenated solvents and solvent mixtures
- 14 06 03* Other solvents and solvent mixtures
- 14 06 04* Sludges or solid wastes containing halogenated solvents
- 14 06 05* Sludges or solid wastes containing other solvents
- 15 01 10* Packaging containing residues or contaminated by hazardous substances
- 15 01 11* Metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers
- 15 02 02* Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances
- 16 01 04* end-of-life vehicles
- 16 01 07* Oil filters
- 16 01 08* Components containing mercury
- 16 01 09* Components containing PCBs
- 16 01 11* Brake pads containing asbestos
- 16 01 13* Brake fluids
- 16 01 14* Antifreeze fluids containing hazardous substances
- 16 01 21* Hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
- 16 02 09* Transformers and capacitors containing PCBs
- 16 02 10* Discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
- 16 02 11* Discarded equipment containing chlorofluorocarbons, HCFC, HFC
- 16 02 12* Discarded equipment containing free asbestos
- 16 02 13* Discarded equipment containing components other than those mentioned in 16 02 09 to 16 02 12
- 16 02 15* Hazardous components removed from discarded equipment
- 16 03 03* Inorganic wastes containing hazardous substances
- 16 03 05* Organic wastes containing hazardous substances
- 16 03 07* Metallic mercury
- 16 05 04* Gases in pressure containers (including halons) containing hazardous substances
- 16 05 06* Laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals
- 16 05 07* Discarded inorganic chemicals consisting of or containing hazardous substances
- 16 05 08* Discarded organic chemicals consisting of or containing hazardous substances
- 16 06 01* Lead batteries
- 16 06 02* Ni-Cd batteries
- 16 06 03* Mercury-containing batteries
- 16 06 06* Separately collected electrolyte from batteries and accumulators
- 16 07 08* Wastes containing oil
- 16 07 09* Wastes containing other hazardous substances

- 16 08 02* Spent catalysts containing hazardous transition metals or hazardous transition metal compounds
- 16 08 05* Spent catalysts containing phosphoric acid
- 16 08 06* Spent liquids used as catalysts
- 16 08 07* Spent catalysts contaminated with hazardous substances
- 16 09 01* Permanganates, for example potassium permanganate
- 16 09 02* Chromates, for example potassium chromate, potassium or sodium dichromate
- 16 09 03* Peroxides, for example hydrogen peroxide
- 16 09 04* Oxidising substances, not otherwise specified
- 16 10 01* Aqueous liquid wastes containing hazardous substances
- 16 10 03* Aqueous concentrates containing hazardous substances
- 16 11 01* Carbon-based linings and refractories from metallurgical processes containing hazardous substances
- 16 11 03* Other linings and refractories from metallurgical processes containing hazardous substances
- 16 11 05* Linings and refractories from non-metallurgical processes containing hazardous substances
- 17 01 06* Mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing hazardous substances
- 17 02 04* Glass, plastic and wood containing or contaminated with hazardous substances
- 17 03 01* Bituminous mixtures containing coal tar
- 17 03 03* Coal tar and tarred products
- 17 04 09* Metal waste contaminated with hazardous substances
- 17 04 10* Cables containing oil, coal tar and other hazardous substances
- 17 05 03* Soil and stones containing hazardous substances
- 17 05 05* Dredging spoil containing hazardous substances
- 17 05 07* Track ballast containing hazardous substances
- 17 06 01* Insulation materials containing asbestos
- 17 06 03* Other insulation materials consisting of or containing hazardous substances
- 17 06 05* Construction materials containing asbestos
- 17 08 01* Gypsum-based construction materials contaminated with hazardous substances
- 17 09 01* Construction and demolition wastes containing mercury
- 17 09 02* Construction and demolition wastes containing PCBs
- 17 09 03* Other construction and demolition wastes (including mixed wastes) containing hazardous substances
- 18 01 06* chemicals consisting of or containing dangerous substances
- 18 01 08* cytotoxic and cytostatic medicines
- 18 02 05* chemicals consisting of or containing dangerous substances
- 18 02 07* cytotoxic and cytostatic medicines
- 19 01 05* Filter cake from gas treatment
- 19 01 06* Aqueous liquid wastes from gas treatment and other aqueous liquid wastes
- 19 01 07* Solid wastes from gas treatment
- 19 01 10* Spent activated carbon from flue-gas treatment
- 19 01 11* Bottom ash and slag containing hazardous substances
- 19 01 13* Fly ash containing hazardous substances
- 19 01 15* Boiler dust containing hazardous substances

- 19 01 17* Pyrolysis wastes containing hazardous substances
- 19 02 04* Premixed wastes composed of at least one hazardous waste
- 19 02 05* Sludges from physico/chemical treatment containing hazardous substances
- 19 02 07* Oil and concentrates from separation
- 19 02 08* Liquid combustible wastes containing hazardous substances
- 19 02 09* Solid combustible wastes containing hazardous substances
- 19 02 11* Other wastes containing hazardous substances
- 19 03 04* Wastes marked as hazardous, partly stabilised other than 19 03 08*
- 19 03 06* Wastes marked as hazardous, solidified
- 19 04 02* Fly ash and other flue-gas treatment wastes
- 19 04 03* Non-vitrified solid phase
- 19 07 02* Landfill leachate containing hazardous substances
- 19 08 06* Saturated or spent ion exchange resins
- 19 08 07* Solutions and sludges from the regeneration of ion exchangers
- 19 08 08* Membrane system waste containing heavy metals
- 19 08 10* Grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
- 19 08 11* Sludges containing hazardous substances from biological treatment of industrial waste water
- 19 08 13* Sludges containing hazardous substances from other treatment of industrial waste water
- 19 10 03* Fluff-light fraction and dust containing hazardous substances
- 19 10 05* Other fractions containing hazardous substances
- 19 11 01* Spent filter clays
- 19 11 02* Acid tars
- 19 11 03* Aqueous liquid wastes
- 19 11 04* Wastes from cleaning of fuel with bases
- 19 11 05* Sludges from on-site effluent treatment containing hazardous substances
- 19 11 07* Wastes from flue-gas cleaning
- 19 12 06* Wood containing hazardous substances
- 19 12 11* Other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances
- 19 13 01* Solid wastes from soil remediation containing hazardous substances
- 19 13 03* Sludges from soil remediation containing hazardous substances
- 19 13 05* Sludges from groundwater remediation containing hazardous substances
- 19 13 07* Aqueous liquid wastes and aqueous concentrates from groundwater remediation containing hazardous substances
- 20 01 13* Solvents
- 20 01 14* Acids
- 20 01 15* Alkalines
- 20 01 17* Photochemicals
- 20 01 19* Pesticides
- 20 01 21* Fluorescent tubes and other mercury-containing waste
- 20 01 23* Discarded equipment containing chlorofluorocarbons
- 20 01 26* Oil and fat other than those mentioned in 20 01 25
- 20 01 27* Paint, inks, adhesives and resins containing hazardous substances
- 20 01 29* Detergents containing hazardous substances
- 20 01 31* Cytotoxic and cytostatic medicines
- 20 01 33* Batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries

- 20 01 35* Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
- 20 01 37* Wood containing hazardous substances

A12 Treatment and storage of non-hazardous waste for the purpose of disposal or recovery.

- 01 01 01 wastes from mineral metalliferous excavation
- 01 01 02 wastes from mineral non-metalliferous excavation
- 01 03 06 tailings other than those mentioned in 01 03 04 and 01 03 05
- 01 03 08 dusty and powdery wastes other than those mentioned in 01 03 07
- 01 03 09 red mud from alumina production other than the wastes mentioned in 01 03 10
- 01 04 08 waste gravel and crushed rocks other than those mentioned in 01 04 07
- 01 04 09 waste sand and clays
- 01 04 10 dusty and powdery wastes other than those mentioned in 01 04 07
- 01 04 11 wastes from potash and rock salt processing other than those mentioned in 01 04 07
- 01 04 12 tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
- 01 04 13 wastes from stone cutting and sawing other than those mentioned in 01 04 07
- 01 05 04 freshwater drilling muds and wastes
- 01 05 07 barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
- 01 05 08 chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
- 02 01 01 sludges from washing and cleaning
- 02 01 03 plant-tissue waste
- 02 01 04 waste plastics (except packaging)
- 02 01 07 wastes from forestry
- 02 01 09 agrochemical waste other than those mentioned in 02 01 08
- 02 01 10 waste metal
- 02 02 01 sludges from washing and cleaning
- 02 02 04 sludges from on-site effluent treatment
- 02 03 01 sludges from washing, cleaning, peeling, centrifuging and separation
- 02 03 02 wastes from preserving agents
- 02 03 03 wastes from solvent extraction
- 02 03 04 materials unsuitable for consumption or processing
- 02 03 05 sludges from on-site effluent treatment
- 02 04 01 soil from cleaning and washing beet
- 02 04 02 off-specification calcium carbonate
- 02 04 03 sludges from on-site effluent treatment
- 02 05 02 sludges from on-site effluent treatment
- 02 06 02 wastes from preserving agents
- 02 06 03 sludges from on-site effluent treatment
- 02 07 01 wastes from washing, cleaning and mechanical reduction of raw materials
- 02 07 02 wastes from spirits distillation
- 02 07 03 wastes from chemical treatment
- 02 07 04 materials unsuitable for consumption or processing
- 02 07 05 sludges from on-site effluent treatment
- 03 01 01 waste bark and cork

- 03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
- 03 03 01 waste bark and wood
- 03 03 02 green liquor sludge (from recovery of cooking liquor)
- 03 03 05 de-inking sludges from paper recycling
- 03 03 07 mechanically separated rejects from pulping of waste paper and cardboard
- 03 03 08 wastes from sorting of paper and cardboard destined for recycling
- 03 03 09 lime mud waste
- 03 03 10 fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
- 03 03 11 sludges from on-site effluent treatment other than those mentioned in 03 03 10
- 04 01 01 fleshings and lime split wastes
- 04 01 02 liming waste
- 04 01 04 tanning liquor containing chromium
- 04 01 05 tanning liquor free of chromium
- 04 01 06 sludges, in particular from on-site effluent treatment containing chromium
- 04 01 07 sludges, in particular from on-site effluent treatment free of chromium
- 04 01 08 waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
- 04 01 09 wastes from dressing and finishing
- 04 02 09 wastes from composite materials (impregnated textile, elastomer, plastomer)
- 04 02 10 organic matter from natural products (for example grease, wax)
- 04 02 15 wastes from finishing other than those mentioned in 04 02 14
- 04 02 17 dyestuffs and pigments other than those mentioned in 04 02 16
- 04 02 20 sludges from on-site effluent treatment other than those mentioned in 04 02 19
- 04 02 21 wastes from unprocessed textile fibres
- 04 02 22 wastes from processed textile fibres
- 05 01 10 sludges from on-site effluent treatment other than those mentioned in 05 01 09
- 05 01 13 boiler feedwater sludges
- 05 01 14 wastes from cooling columns
- 05 01 16 sulphur-containing wastes from petroleum desulphurisation
- 05 01 17 bitumen
- 05 06 04 waste from cooling columns
- 05 07 02 wastes containing sulphur
- 06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
- 06 03 16 metallic oxides other than those mentioned in 06 03 15
- 06 05 03 sludges from on-site effluent treatment other than those mentioned in 06 05 02
- 06 06 03 wastes containing sulphides other than those mentioned in 06 06 02
- 06 09 02 phosphorous slag
- 06 09 04 calcium-based reaction wastes other than those mentioned in 06 09 03
- 06 11 01 calcium-based reaction wastes from titanium dioxide production
- 06 13 03 carbon black
- 07 01 12 sludges from on-site effluent treatment other than those mentioned in 07 01 11

- 07 02 12 sludges from on-site effluent treatment other than those mentioned in 07 02 11
- 07 02 13 waste plastic
- 07 02 15 wastes from additives other than those mentioned in 07 02 14
- 07 02 17 wastes containing silicones other than those mentioned in 07 02 16
- 07 03 12 sludges from on-site effluent treatment other than those mentioned in 07 03 11
- 07 04 12 sludges from on-site effluent treatment other than those mentioned in 07 04 11
- 07 05 12 sludges from on-site effluent treatment other than those mentioned in 07 05 11
- 07 05 14 solid wastes other than those mentioned in 07 05 13
- 07 06 12 sludges from on-site effluent treatment other than those mentioned in 07 06 11
- 07 07 12 sludges from on-site effluent treatment other than those mentioned in 07 07 11
- 08 01 12 waste paint and varnish other than those mentioned in 08 01 11
- 08 01 14 sludges from paint or varnish other than those mentioned in 08 01 13
- 08 01 16 aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
- 08 01 18 wastes from paint or varnish removal other than those mentioned in 08 01 17
- 08 01 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
- 08 01 99 sharps used for sampling paint layers
- 08 02 01 waste coating powders
- 08 02 02 aqueous sludges containing ceramic materials
- 08 02 03 aqueous suspensions containing ceramic materials
- 08 03 07 aqueous sludges containing ink
- 08 03 08 aqueous liquid waste containing ink
- 08 03 13 waste ink other than those mentioned in 08 03 12
- 08 03 15 ink sludges other than those mentioned in 08 03 14
- 08 03 18 waste printing toner other than those mentioned in 08 03 17
- 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
- 08 04 12 adhesive and sealant sludges other than those mentioned in 08 04 11
- 08 04 14 aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
- 08 04 16 aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
- 09 01 07 photographic film and paper containing silver or silver compounds
- 09 01 08 photographic film and paper free of silver or silver compounds
- 09 01 10 single-use cameras without batteries
- 09 01 12 single-use cameras containing batteries other than those mentioned in 09 01 11
- 10 01 01 bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
- 10 01 02 coal fly ash
- 10 01 03 fly ash from peat and untreated wood
- 10 01 05 calcium-based reaction wastes from flue-gas desulphurisation in solid form
- 10 01 07 calcium-based reaction wastes from flue-gas desulphurisation in sludge form

- 10 01 15 bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
- 10 01 17 fly ash from co-incineration other than those mentioned in 10 01 16
- 10 01 19 wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
- 10 01 21 sludges from on-site effluent treatment other than those mentioned in 10 01 20
- 10 01 23 aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
- 10 01 24 sands from fluidised beds
- 10 01 25 wastes from fuel storage and preparation of coal-fired power plants
- 10 01 26 wastes from cooling-water treatment
- 10 02 01 wastes from the processing of slag
- 10 02 02 unprocessed slag
- 10 02 08 solid wastes from gas treatment other than those mentioned in 10 02 07
- 10 02 10 mill scales
- 10 02 12 wastes from cooling-water treatment other than those mentioned in 10 02 11
- 10 02 14 sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
- 10 02 15 other sludges and filter cakes
- 10 03 02 anode scraps
- 10 03 05 waste alumina
- 10 03 16 skimmings other than those mentioned in 10 03 15
- 10 03 18 carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
- 10 03 20 flue-gas dust other than those mentioned in 10 03 19
- 10 03 22 other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
- 10 03 24 solid wastes from gas treatment other than those mentioned in 10 03 23
- 10 03 26 sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
- 10 03 28 wastes from cooling-water treatment other than those mentioned in 10 03 27
- 10 03 30 wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
- 10 04 10 wastes from cooling-water treatment other than those mentioned in 10 04 09
- 10 05 01 slags from primary and secondary production
- 10 05 04 other particulates and dust
- 10 05 09 wastes from cooling-water treatment other than those mentioned in 10 05 08
- 10 05 11 dross and skimmings other than those mentioned in 10 05 10
- 10 06 01 slags from primary and secondary production
- 10 06 02 dross and skimmings from primary and secondary production
- 10 06 04 other particulates and dust
- 10 06 10 wastes from cooling-water treatment other than those mentioned in 10 06 09
- 10 07 01 slags from primary and secondary production
- 10 07 02 dross and skimmings from primary and secondary production
- 10 07 03 solid wastes from gas treatment
- 10 07 04 other particulates and dust

- 10 07 05 sludges and filter cakes from gas treatment
- 10 07 08 wastes from cooling-water treatment other than those mentioned in 10 07 07
- 10 08 04 particulates and dust
- 10 08 09 other slags
- 10 08 11 dross and skimmings other than those mentioned in 10 08 10
- 10 08 13 carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
- 10 08 14 anode scrap
- 10 08 16 flue-gas dust other than those mentioned in 10 08 15
- 10 08 18 sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
- 10 08 20 wastes from cooling-water treatment other than those mentioned in 10 08 19
- 10 09 03 furnace slag
- 10 09 06 casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
- 10 09 08 casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
- 10 09 10 flue-gas dust other than those mentioned in 10 09 09
- 10 09 12 other particulates other than those mentioned in 10 09 11
- 10 09 14 waste binders other than those mentioned in 10 09 13
- 10 09 16 waste crack-indicating agent other than those mentioned in 10 09 15
- 10 10 03 furnace slag
- 10 10 06 casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
- 10 10 08 casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
- 10 10 10 flue-gas dust other than those mentioned in 10 10 09
- 10 10 12 other particulates other than those mentioned in 10 10 11
- 10 10 14 waste binders other than those mentioned in 10 10 13
- 10 10 16 waste crack-indicating agent other than those mentioned in 10 10 15
- 10 11 03 waste glass-based fibrous materials
- 10 11 05 particulates and dust
- 10 11 10 waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
- 10 11 12 waste glass other than those mentioned in 10 11 11
- 10 11 14 glass-polishing and -grinding sludge other than those mentioned in 10 11 13
- 10 11 16 solid wastes from flue-gas treatment other than those mentioned in 10 11 15
- 10 11 18 sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
- 10 11 20 solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
- 10 12 01 waste preparation mixture before thermal processing
- 10 12 03 particulates and dust
- 10 12 05 sludges and filter cakes from gas treatment
- 10 12 06 discarded moulds
- 10 12 08 waste ceramics, bricks, tiles and construction products (after thermal processing)
- 10 12 10 solid wastes from gas treatment other than those mentioned in 10 12 09
- 10 12 12 wastes from glazing other than those mentioned in 10 12 11

- 10 12 13 sludge from on-site effluent treatment
- 10 13 01 waste preparation mixture before thermal processing
- 10 13 04 wastes from calcination and hydration of lime
- 10 13 06 particulates and dust (except 10 13 12 and 10 13 13)
- 10 13 07 sludges and filter cakes from gas treatment
- 10 13 10 wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
- 10 13 11 wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
- 10 13 13 solid wastes from gas treatment other than those mentioned in 10 13 12
- 10 13 14 waste concrete and concrete sludge
- 11 01 10 sludges and filter cakes other than those mentioned in 11 01 09
- 11 01 12 aqueous rinsing liquids other than those mentioned in 11 01 11
- 11 01 14 degreasing wastes other than those mentioned in 11 01 13
- 11 02 03 wastes from the production of anodes for aqueous electrolytical processes
- 11 02 06 wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
- 11 05 01 hard zinc
- 11 05 02 zinc ash
- 12 01 01 ferrous metal filings and turnings
- 12 01 02 ferrous metal dust and particles
- 12 01 03 non-ferrous metal filings and turnings
- 12 01 04 non-ferrous metal dust and particles
- 12 01 05 plastics shavings and turnings
- 12 01 13 welding wastes
- 12 01 15 machining sludges other than those mentioned in 12 01 14
- 12 01 17 waste blasting material other than those mentioned in 12 01 16
- 12 01 21 spent grinding bodies and grinding materials other than those mentioned in 12 01 20
- 15 01 01 paper and cardboard packaging
- 15 01 02 plastic packaging
- 15 01 03 wooden packaging
- 15 01 04 metallic packaging
- 15 01 05 composite packaging
- 15 01 06 mixed packaging
- 15 01 07 glass packaging
- 15 01 09 textile packaging
- 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
- 16 01 03 end-of-life tyres
- 16 01 06 end-of-life vehicles, containing neither liquids nor other hazardous components
- 16 01 12 brake pads other than those mentioned in 16 01 11
- 16 01 15 antifreeze fluids other than those mentioned in 16 01 14
- 16 01 16 tanks for liquefied gas
- 16 01 17 ferrous metal
- 16 01 18 non-ferrous metal
- 16 01 19 plastic
- 16 01 20 glass
- 16 01 22 components not otherwise specified
- 16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13

- 16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15
- 16 03 04 inorganic wastes other than those mentioned in 16 03 03
- 16 03 06 organic wastes other than those mentioned in 16 03 05
- 16 05 05 gases in pressure containers other than those mentioned in 16 05 04
- 16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
- 16 06 04 alkaline batteries (except 16 06 03)
- 16 06 05 other batteries and accumulators
- 16 08 01 spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
- 16 08 03 spent catalysts containing transition metals or transition metal compounds not otherwise specified
- 16 08 04 spent fluid catalytic cracking catalysts (except 16 08 07)
- 16 10 02 aqueous liquid wastes other than those mentioned in 16 10 01
- 16 10 04 aqueous concentrates other than those mentioned in 16 10 03
- 16 11 02 carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
- 16 11 04 other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
- 16 11 06 linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
- 17 01 01 concrete
- 17 01 02 bricks
- 17 01 03 tiles and ceramics
- 17 01 07 mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
- 17 02 01 wood
- 17 02 02 glass
- 17 02 03 plastic
- 17 03 02 bituminous mixtures other than those mentioned in 17 03 01
- 17 04 01 copper, bronze, brass
- 17 04 02 aluminium
- 17 04 03 lead
- 17 04 04 zinc
- 17 04 05 iron and steel
- 17 04 06 tin
- 17 04 07 mixed metals
- 17 04 11 cables other than those mentioned in 17 04 10
- 17 05 04 soil and stones other than those mentioned in 17 05 03
- 17 05 06 dredging spoil other than those mentioned in 17 05 05
- 17 05 08 track ballast other than those mentioned in 17 05 07
- 17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03
- 17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01
- 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
- 18 01 01 sharps (except 18 01 03)
- 18 01 07 chemicals other than those mentioned in 18 01 06
- 18 01 09 medicines other than those mentioned in 18 01 08
- 18 02 01 sharps (except 18 02 02)

- 18 02 06 chemicals other than those mentioned in 18 02 05
- 18 02 08 medicines other than those mentioned in 18 02 07
- 19 01 02 ferrous materials removed from bottom ash
- 19 01 12 bottom ash and slag other than those mentioned in 19 01 11
- 19 01 14 fly ash other than those mentioned in 19 01 13
- 19 01 16 boiler dust other than those mentioned in 19 01 15
- 19 01 18 pyrolysis wastes other than those mentioned in 19 01 17
- 19 01 19 sands from fluidised beds
- 19 02 03 premixed wastes composed only of non-hazardous wastes
- 19 02 06 sludges from physico/chemical treatment other than those mentioned in 19 02 05
- 19 02 10 combustible wastes other than those mentioned in 19 02 08 and 19 02 09
- 19 03 05 stabilised wastes other than those mentioned in 19 03 04
- 19 03 07 solidified wastes other than those mentioned in 19 03 06
- 19 04 01 vitrified waste
- 19 04 04 aqueous liquid wastes from vitrified waste tempering
- 19 05 01 non-composted fraction of municipal and similar wastes
- 19 05 02 non-composted fraction of animal and vegetable waste
- 19 05 03 off-specification compost
- 19 06 03 liquor from anaerobic treatment of municipal waste
- 19 06 04 digestate from anaerobic treatment of municipal waste
- 19 06 05 liquor from anaerobic treatment of animal and vegetable waste
- 19 06 06 digestate from anaerobic treatment of animal and vegetable waste
- 19 07 03 landfill leachate other than those mentioned in 19 07 02
- 19 08 01 screenings
- 19 08 02 waste from desanding
- 19 08 05 sludges from treatment of urban waste water
- 19 08 09 grease and oil mixture from oil/water separation containing only edible oil and fats
- 19 08 12 sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
- 19 08 14 sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
- 19 09 01 solid waste from primary filtration and screenings
- 19 09 02 sludges from water clarification
- 19 09 03 sludges from decarbonation
- 19 09 04 spent activated carbon
- 19 09 05 saturated or spent ion exchange resins
- 19 09 06 solutions and sludges from regeneration of ion exchangers
- 19 10 01 iron and steel waste
- 19 10 02 non-ferrous waste
- 19 10 04 fluff-light fraction and dust other than those mentioned in 19 10 03
- 19 10 06 other fractions other than those mentioned in 19 10 05
- 19 11 06 sludges from on-site effluent treatment other than those mentioned in 19 11 05
- 19 12 01 paper and cardboard
- 19 12 02 ferrous metal
- 19 12 03 non-ferrous metal
- 19 12 04 plastic and rubber
- 19 12 05 glass
- 19 12 07 wood other than that mentioned in 19 12 06

- 19 12 08 textiles
- 19 12 09 minerals (for example sand, stones)
- 19 12 10 combustible waste (refuse derived fuel)
- 19 12 12 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
- 19 13 02 solid wastes from soil remediation other than those mentioned in 19 13 01
- 19 13 04 sludges from soil remediation other than those mentioned in 19 13 03
- 19 13 06 sludges from groundwater remediation other than those mentioned in 19 13 05
- 19 13 08 aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
- 20 01 01 paper and cardboard
- 20 01 02 glass
- 20 01 08 biodegradable kitchen and canteen waste
- 20 01 10 clothes
- 20 01 11 textiles
- 20 01 25 edible oil and fat
- 20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27
- 20 01 30 detergents other than those mentioned in 20 01 29
- 20 01 32 medicines other than those mentioned in 20 01 31
- 20 01 34 batteries and accumulators other than those mentioned in 20 01 33
- 20 01 36 discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
- 20 01 38 wood other than that mentioned in 20 01 37
- 20 01 39 plastics
- 20 01 40 metals
- 20 01 41 wastes from chimney sweeping
- 20 02 01 biodegradable waste
- 20 02 02 soil and stones
- 20 02 03 other non-biodegradable wastes
- 20 03 01 mixed municipal waste
- 20 03 02 waste from markets
- 20 03 03 street-cleaning residues
- 20 03 04 septic tank sludge
- 20 03 06 waste from sewage cleaning
- 20 03 07 bulky waste

Appendix B: Chemical Risk Assessment

Chemicals/Substances Handled	Chemical Characteristics and Toxicity										Site Specific Risk		
Substance	**Composition (where available/indicative)**	**Physical state**	**Hazard Code (estimation based on professional judgement)**	**Relevant Hazardous Substance (RHS) (EC Regulation No 1272/2008)**	**Environmental Fate and Behaviour**	**Substance Poses Potential Pollution Risk?**	**Maximum Storage at any One Time Across Facility (Aggregated). May contain wastes from any permitted activity.**	**Maximum Annual Usage/Throughput of Installation**	**Storage arrangements**	**Handling and usage**	**Risk mitigation measures**	**Residual risk? (Chemical of Concern)**	**Substance(s) of Concern Yes/No**
A1 Treatment of Waste Refrigeration Equipment													
Refrigeration Equipment	Chlorofluorocarbons, Hydrochlorofluorcarbons, Hydrofluorocarbons	Gas	H318 Causes serious eye irritation H410 Toxic to aquatic life with long lasting effects H420 Harms public health and the environment by destroying ozone in the upper atmosphere	Likely	Known toxicity to fish. Some bioaccumulation potential.	Yes	5,000 tonnes	11,250 tonnes	Stored directly on area of hardstanding within Existing Installation Area before being manually broken down (partially) and entered into the Fridge Plant. CFC gases stored in tanks before emissions from point A1.	Fridges are partially broken down manually within the Fridge Storage Area to remove shelves, castors etc before entering the Fridge Plant. In a series of stages this removes Compressor Oil, degasses and shreds the carcass into non-hazardous plastic, metal and foam.	Substance stored in appropriate tanks.	Gas is expected to disperse upon accidental release to the environment and is unlikely to impact soil or groundwater. The substance is therefore not considered a chemical of concern.	No
Refrigeration Equipment	Ammonia	Gas	H221 – Flammable gas H280 – Contains gas under pressure; may explode if heated H331 – Toxic if inhaled H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage H410 – Very toxic to aquatic life with long lasting effects H411 – Toxic to aquatic life with long lasting effects	Likely	Toxicity to aquatic organisms is noted. Substance is biodegradable. Not considered to be bioaccumulative or persistent.	Yes	5,000 tonnes		Stored directly on area of hardstanding within Existing Installation Area before being manually broken down (partially) and entered into the Fridge Plant. CFC gases stored in tanks before emissions from point A1.	Fridges are partially broken down manually within the Fridge Storage Area to remove shelves, castors etc before entering the Fridge Plant. In a series of stages this removes Compressor Oil, degasses and shreds the carcass into non-hazardous plastic, metal and foam.	Substance stored in appropriate tanks.	Gas is expected to disperse upon accidental release to the environment and is unlikely to impact soil or groundwater. The substance is therefore not considered a chemical of concern.	No
Refrigeration Equipment	Compressor Oil	Liquid	H304 – May be fatal if swallowed and enters airways H373 – May cause damage to organs H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Non readily biodegradable components. Contains bioaccumulative components. Contains components that adsorb onto soils.	Yes	1000 Litres	Unknown	Stored directly on area of hardstanding within Existing Installation Area before being manually broken down (partially) and entered into the Fridge Plant Compressor oil stored in 1000 L IBC adjacent to Fridge Plant once removed from refrigerator equipment.	Fridges are partially broken down manually within the Fridge Storage Area to remove shelves, castors etc before entering the Fridge Plant. In a series of stages this removes Compressor Oil, degasses and shreds the carcass into non-hazardous plastic, metal and foam.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
A2 WEEE Treatment other than waste refrigeration equipment													
Oils containing Polychlorinated Biphenyls (PCBs)	Hydrocarbons PCBs	Liquid	H304 – May be fatal if swallowed and enters airways H373 – May cause damage to organs H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Non readily biodegradable components. Contains bioaccumulative components. Contains components that adsorb onto soils.	Yes	5,000 tonnes	11,250 tonnes	Will be stored in a designated area and transferred off-site for recovery. No treatment undertaken within the Installation.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Asbestos containing Equipment	Asbestos	Solid	H350 – May cause cancer H372 – Causes damage to organs	Likely	Known to be stable within the environment and not subject to biodegradation. Not likely to be soluble.	Yes	5,000 tonnes		Asbestos waste will be wrapped and stored in enclosed roll on off bins. Mechanical equipment will not be used to move asbestos waste.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	In case of any potential release the spillage will be decontaminated by the suitably licensed asbestos contractor responsible for depositing the waste.	Spillages could occur during transport and enter the environment through comprised ground surfacing. It is considered likely that spillages will be appropriately managed prior to release to the environment therefore not making this a chemical of concern.	No
Fluorescent Tubes and other mercury-containing wastes	Mercury	Liquid	H330 – Fatal if inhaled H360D – May damage the unborn child H370 – Causes damage to organs H410 – Very toxic to aquatic life with long lasting effects	Likely	Known toxicity to fish. Some bioaccumulation potential.	Yes	5,000 tonnes		Will be stored in a designated area and transferred off-site for recovery. No treatment undertaken within the Installation.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
A3 Waste Paint Treatment													
Organic Solvents (either individually received, mixtures or within substances e.g. paints or varnishes)	Conservative/'worst case' can include: Benzene Carbon tetrachloride Trichloroethylene	Liquid	H225 – Highly flammable liquid and vapour H301 – Toxic if swallowed H315 – Causes skin irritation H336 – May cause drowsiness or dizziness H319 – Causes serious eye irritation H340 – May cause genetic defects H350 – May cause cancer H372 – Causes damage to organs H304 – May be fatal if swallowed and enters airways H412 – Harmful to aquatic life with long lasting effects H420 – Harms public health and the environment by destroying ozone in the upper atmosphere	Likely	Substances typically may not biodegrade and may bioaccumulate. Toxicity within the aquatic environment is probable.	Yes	5,000 tonnes	12,500 tonnes	Will be stored in a designated area and transferred off-site for recovery. Water based paints are stored in a bunded storage tank prior to removal from the Site for treatment. Solvent based paints will be transferred to a suitably authorised facility via a bulk tanker.	All paints will be de-packaged and shredded by either the attritor plant for non-hazardous waste or by shredding and crushing of the paint containers in the paint or aerosol/waste plant. Solvent-based paints are bulked for recovery of the solvents for secondary fuels for use in the kilns for the cement industry whilst water-based paints are bulked for treatment off-Site at an authorised facility	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation. Attritor will also have its own secondary containment capable of containing 110% maximum capacity.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Isocyanates	Can include substances such as: Phenyl diisocyanate Toluene diisocyanate Hexamethylene diisocyanate	Liquid	H226 – Flammable liquid and vapour H302 – Harmful if swallowed H330 – Fatal if inhaled H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled H317 – May cause an allergic skin reaction H335 – May cause respiratory irritation H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Substances of this type may exhibit aquatic toxicity and varying degrees of biodegradability. Bioconcentration may occur.	Yes	5,000 tonnes		Will be stored in a designated area and transferred off-site for recovery. Water based paints are stored in a bunded storage tank prior to removal from the Site for treatment. Solvent based paints will be transferred to a suitably authorised facility via a bulk tanker.	All paints will be de-packaged and shredded by either the attritor plant for non-hazardous waste or by shredding and crushing of the paint containers in the paint or aerosol/waste plant. Solvent-based paints are bulked for recovery of the solvents for secondary fuels for use in the kilns for the cement industry whilst water-based paints are bulked for treatment off-Site at an authorised facility	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation. Attritor will also have its own secondary containment capable of containing 110% maximum capacity.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes

Chemicals/Substances Handled	Chemical Characteristics and Toxicity						Site Specific Risk					
Substance	**Composition (where available/indicative)**	**Physical state**	**Hazard Code (estimation based on professional judgement)**	**Relevant Hazardous Substance (RHS) (EC Regulation No 1272/2008)**	**Environmental Fate and Behaviour**	**Substance Poses Potential Pollution Risk?**	**Maximum Storage at any One Time Across Facility (Aggregated). May contain wastes from any permitted activity.**	**Maximum Annual Usage/Throughput of Installation**	**Storage arrangements**	**Handling and usage**	**Risk mitigation measures**	**Residual risk? (Chemical of Concern)**	**Substance(s) of Concern Yes/No**
Halogented Solvents	Category most commonly includes: Methylene Chloride Trichloroethylene Trichlorofluoroethane 1,1,1-trichloroethane	Liquid	H315 – Causes skin irritation H319 – Causes serious eye irritation H336 – May cause drowsiness or dizziness H341 – Suspected of causing genetic defects H350 – May cause cancer H412 – Harmful to aquatic life with long lasting effects. H351 – Suspected of causing cancer	Likely	Substances of this type may exhibit aquatic toxicity and varying degrees of biodegradability. Bioconcentration may occur.	Yes	5,000 tonnes		Will be stored in a designated area and transferred off-site for recovery. Water based paints are stored in a bunded storage tank prior to removal from the Site for treatment. Solvent based paints will be transferred to a suitably authorised facility via a bulk tanker.	All paints will be de-packaged and shredded by either the attritor plant for non-hazardous waste or by shredding and crushing of the paint containers in the paint or aerosol/waste plant. Solvent-based paints are bulked for recovery of the solvents for secondary fuels for use in the kilns for the cement industry whilst water-based paints are bulked for treatment off-Site at an authorised facility	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation. Attritor will also have its own secondary containment capable of containing 110% maximum capacity.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Inks, printer toners	May contain trace amounts of metals and organic or aqueous solvents	Solid (Powders)/ Liquid	H315 – Causes skin irritation H319 – Causes serious eye irritation	Likely	Discharge to the aquatic environment should be avoided however readily available data on environmental behaviour is limited.	Yes	5,000 tonnes		Will be stored in a designated area and transferred off-site for recovery. Water based paints are stored in a bunded storage tank prior to removal from the Site for treatment. Solvent based paints will be transferred to a suitably authorised facility via a bulk tanker.	All paints will be de-packaged and shredded by either the attritor plant for non-hazardous waste or by shredding and crushing of the paint containers in the paint or aerosol/waste plant. Solvent-based paints are bulked for recovery of the solvents for secondary fuels for use in the kilns for the cement industry whilst water-based paints are bulked for treatment off-Site at an authorised facility	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation. Attritor will also have its own secondary containment capable of containing 110% maximum capacity.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
A4 Waste Repackaging													
Agrochemical Wastes	May include: Pesticides Herbicides Fungicides	Liquids	**The wide variety of substances potentially within this category means a large number of Hazard Codes are likely to apply**	Likely	Variable degradation and bioaccumulation potential. Potentially readily absorbed into soils.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Solvents from Paints or Varnishes/ Organic Solvents	Conservative/'worst case' can include: Benzene Carbon tetrachloride Trichloroethylene	Liquid	H225 – Highly flammable liquid and vapour H301 – Toxic if swallowed H315 – Causes skin irritation H336 – May cause drowsiness or dizziness H319 – Causes serious eye irritation H340 – May cause genetic defects H350 – May cause cancer H372 – Causes damage to organs H304 – May be fatal if swallowed and enters airways H412 – Harmful to aquatic life with long lasting effects H420 – Harms public health and the environment by destroying ozone in the upper atmosphere	Likely	Substances typically may not biodegrade and may bioaccumulate. Toxicity within the aquatic environment is probable.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Isocyanates	Can include substances such as: Phenyl diisocyanate Toluene diisocyanate Hexamethylene diisocyanate	Liquid	H226 – Flammable liquid and vapour H302 – Harmful if swallowed H330 – Fatal if inhaled H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled H317 – May cause an allergic skin reaction H335 – May cause respiratory irritation H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Substances of this type may exhibit aquatic toxicity and varying degrees of biodegradability. Bioconcentration may occur.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Total Petroleum Hydrocarbons (TPHs)	E.g. Gasoline, Petroleum naphtha fraction	Liquid	H224 – Extremely flammable liquid and vapour H304 – May be fatal if swallowed and enters airways H315 – Causes skin irritation H340 – May cause genetic defects H350 – May cause cancer H361fd – Suspected of damaging fertility. Suspected of damaging the unborn child H336 – May cause drowsiness or dizziness H410 – Very toxic to aquatic life with long lasting effects	Likely	Very toxic to aquatic life with long lasting effects. Has the potential to be inherently biodegradable. Known to lie on water (Light Non-aqueous phase liquid (LNAPL)) and will partly evaporate from water or soil surfaces. Large volumes may penetrate soil and could contamination groundwater. Films formed on water may affect oxygen transfer and damage organisms.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes

Chemicals/Substances Handled	Chemical Characteristics and Toxicity										Site Specific Risk		
Substance	**Composition (where available/indicative)**	**Physical state**	**Hazard Code (estimation based on professional judgement)**	**Relevant Hazardous Substance (RHS) (EC Regulation No 1272/2008)**	**Environmental Fate and Behaviour**	**Substance Poses Potential Pollution Risk?**	**Maximum Storage at any One Time Across Facility (Aggregated). May contain wastes from any permitted activity.**	**Maximum Annual Usage/Throughput of Installation**	**Storage arrangements**	**Handling and usage**	**Risk mitigation measures**	**Residual risk? (Chemical of Concern)**	**Substance(s) of Concern Yes/No**
TPHs containing PCBs	Hydrocarbons PCBs	Liquid	H304 – May be fatal if swallowed and enters airways H373 – May cause damage to organs H350 – May cause cancer H361d – Suspected of damaging the unborn child H372 – Causes damage to organs H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Non readily biodegradable components. Contains bioaccumulative components. Contains components that adsorb onto soils.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Organic Laboratory Chemicals	**The wide variety of substances potentially within this category means it is not possible to define with certainty a conclusive list of potential components. This likely variety should be accounted for in corresponding risk assessments.**	Liquid	**The wide variety of substances potentially within this category means a large number of Hazard Codes are likely to apply**	Likely	Substances can be dangerous to aquatic life and the environment. May not be biodegradable with potential for bioaccumulation. Fate and behaviour of individual substances may vary.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Inorganic Laboratory Chemicals	**The wide variety of substances potentially within this category means it is not possible to define with certainty a conclusive list of potential components. This likely variety should be accounted for in corresponding risk assessments.**	Liquid	**The wide variety of substances potentially within this category means a large number of Hazard Codes are likely to apply**	Likely	Substances can be dangerous to aquatic life and the environment. May not be biodegradable with potential for bioaccumulation. Fate and behaviour of individual substances may vary.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Acids/Alkalis	pH	Liquid	H290 – May be corrosive to metals H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage H335 – May cause respiratory irritation	Likely	Variation in the pH levels of soils and waters can affect soil fertility and lead to a decline in fish populations. Aquatic plants and insects forming part of the aquatic food chain may also be negatively affected.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Wood Preservatives	Can include substances such as: Organometallics (copper naphthenate) Ammonium phosphates Zinc chloride Boric acid	Liquid	H302 – Harmful if swallowed H315 – Causes skin irritation H319 – Causes serious eye irritation H335 – May cause respiratory irritation H400 – Very toxic to aquatic life	Likely	Substances may contribute to the eutrophcation of drinking water supplies.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Pigments, dyes, etc	May contain trace amounts of metals and organic or aqueous solvents	Liquid	**The wide variety of substances potentially within this category means a large number of Hazard Codes are likely to apply**	Likely	Discharge to the aquatic environment should be avoided however readily available data on environmental behaviour is limited.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Wastes containing metals	Including heavy metals, metal oxides, etc	Liquids	**The wide variety of substances potentially within this category means a large number of Hazard Codes are likely to apply**	Likely	Substances can be dangerous to aquatic life and the environment. May not be biodegradable with potential for bioaccumulation. Fate and behaviour of individual substances may vary.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes

Chemicals/Substances Handled	Chemical Characteristics and Toxicity										Site Specific Risk		
Substance	**Composition (where available/indicative)**	**Physical state**	**Hazard Code (estimation based on professional judgement)**	**Relevant Hazardous Substance (RHS) (EC Regulation No 1272/2008)**	**Environmental Fate and Behaviour**	**Substance Poses Potential Pollution Risk?**	**Maximum Storage at any One Time Across Facility (Aggregated). May contain wastes from any permitted activity.**	**Maximum Annual Usage/Throughput of Installation**	**Storage arrangements**	**Handling and usage**	**Risk mitigation measures**	**Residual risk? (Chemical of Concern)**	**Substance(s) of Concern Yes/No**
Oil containing drilling mud/waste	Hydrocarbons	Liquid	H224 – Extremely flammable liquid and vapour H304 – May be fatal if swallowed and enters airways H315 – Causes skin irritation H340 – May cause genetic defects H350 – May cause cancer H361fd – Suspected of damaging fertility. Suspected of damaging the unborn child H336 – May cause drowsiness or dizziness H410 – Very toxic to aquatic life with long lasting effects	Likely	Very toxic to aquatic life with long lasting effects. Has the potential to be inherently biodegradable. Known to lie on water (Light Non-aqueous phase liquid (LNAPL)) and will partly evaporate from water or soil surfaces. Large volumes may penetrate soil and could contamination groundwater. Films formed on water may affect oxygen transfer and damage organisms.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Acid Alkyl Sludge	Heavy hydrocarbons sulfuric acid	Viscous Liquid	H224 – Extremely flammable liquid and vapour H304 – May be fatal if swallowed and enters airways H315 – Causes skin irritation H340 – May cause genetic defects H350 – May cause cancer H361fd – Suspected of damaging fertility. Suspected of damaging the unborn child H336 – May cause drowsiness or dizziness H410 – Very toxic to aquatic life with long lasting effects	Likely	Very toxic to aquatic life with long lasting effects. Has the potential to be inherently biodegradable. Known to lie on water (Light Non-aqueous phase liquid (LNAPL)) and will partly evaporate from water or soil surfaces. Large volumes may penetrate soil and could contamination groundwater. Films formed on water may affect oxygen transfer and damage organisms.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Wastes containing/comprising Mercury	Mercury	Liquid	H330 – Fatal if inhaled H360D – May damage the unborn child H372 – Causes damage to organs H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Known toxicity to fish. Some bioaccumulation potential.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Acids	Sulphuric acid Hydrochloric acid Hydrofluoric acid	Liquid	H290 – May be corrosive to metals H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage H335 – May cause respiratory irritation	Likely	Variation in the pH levels of soils and waters can affect soil fertility and lead to a decline in fish populations. Aquatic plants and insects forming part of the aquatic food chain may also be negatively affected.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
PFAS/PFOS containing wastes (the ubiquity of these substances means they may be found in a large proportion of wastes including, but not limited to wastes from fabric industries, soil and sludges, municipal wastes, sludges from urban waste water treatment)	PFAS/PFOS potentially including: Perfluorooctanoic acid	Liquid	H351 – Suspected of causing cancer H360 – May damage fertility or the unborn child H372 – Causes damage to organs	Likely	Known to persist within the environment. Wide variety of substances within this classification exhibit a range of environmental behaviours.	Yes	5,000 tonnes	11,250 tonnes	Repackaging will only occur in the waste reception area when the bulking bund (bunded pallet) is available for that particular waste type. Wastes bulked in IBC. After repackaging wastes will be transported into appropriate separate storage areas.	Bulking and repackaging of liquid wastes into intermediate bulk containers (IBCs) for disposal off site.	Bulking takes place on a secondary bunded pallet and the Installation comprises tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation where Waste Reception is located.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
A6 Airbag Waste Treatment													
Substances arising from waste airbags	Sodium azide	Solid	H300 – Fatal if swallowed H310 – Fatal in contact with skin H330 – Fatal if inhaled H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Known toxicity to aquatic environment.	Yes	5,000 tonnes	2,500 tonnes	Stored in a 15 m2 waste storage bay within IBCs placed on pallets or directly onto hardstanding.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport however as the substance is a solid spillages should be easily managed and contained. This is therefore not considered a chemical of concern.	No
A7 Storage and transfer of Hazardous Waste													
Agrochemical Wastes	May include: Pesticides Herbicides Fungicides	Solid/ Liquids	**The wide variety of substances potentially within this category means a large number of Hazard Codes are likely to apply**	Likely	Variable degradation and bioaccumulation potential. Potentially readily absorbed into soils.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation such as specific waste storage bays and bunded 800 litre cages.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes

Chemicals/Substances Handled	Chemical Characteristics and Toxicity								Site Specific Risk			
Substance	**Composition (where available/indicative)**	**Physical state**	**Hazard Code (estimation based on professional judgement)**	**Relevant Hazardous Substance (RHS) (EC Regulation No 1272/2008)**	**Environmental Fate and Behaviour**	**Substance Poses Potential Pollution Risk?**	**Maximum Storage at any One Time Across Facility (Aggregated). May contain wastes from any permitted activity.**	**Maximum Annual Usage/Throughput of Installation**	**Storage arrangements**	**Handling and usage**	**Risk mitigation measures**	**Residual risk? (Chemical of Concern)**	**Substance(s) of Concern Yes/No**
Total Petroleum Hydrocarbons (TPHs)	E.g. Gasoline, Petroleum naphtha fraction	Liquid	H224 – Extremely flammable liquid and vapour H304 – May be fatal if swallowed and enters airways H315 – Causes skin irritation H340 – May cause genetic defects H350 – May cause cancer H361fd – Suspected of damaging fertility. Suspected of damaging the unborn child H336 – May cause drowsiness or dizziness H410 – Very toxic to aquatic life with long lasting effects	Likely	Very toxic to aquatic life with long lasting effects. Has the potential to be inherently biodegradable. Known to lie on water (Light Non-aqueous phase liquid (LNAPL)) and will partly evaporate from water or soil surfaces. Large volumes may penetrate soil and could contamination groundwater. Films formed on water may affect oxygen transfer and damage organisms.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation such as specific waste storage bays and bunded 800 litre cages.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Asbestos containing Equipment	Asbestos	Solid	H350 – May cause cancer H372 – Causes damage to organs	Likely	Known to be stable within the environment and not subject to biodegradation. Not likely to be soluble.	Yes	5,000 tonnes		Asbestos waste will be wrapped and stored in enclosed roll on off bins. Mechanical equipment will not be used to move asbestos waste.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	In case of any potential release the spillage will be decontaminated by the suitably licensed asbestos contractor responsible for depositing the waste.	Spillages could occur during transport and enter the environment through comprised ground surfacing. It is considered likely that spillages will be appropriately managed prior to release to the environment therefore not making this a chemical of concern.	No
Inorganic and Organic Wastes	**The wide variety of substances potentially within this category means it is not possible to define with certainty a conclusive list of potential components. This likely variety should be accounted for in corresponding risk assessments.**	Solid/ Liquids	**The wide variety of substances potentially within this category means a large number of Hazard Codes are likely to apply**	Likely	Substances can be dangerous to aquatic life and the environment. May not be biodegradable with potential for bioaccumulation. Fate and behaviour of individual substances may vary.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation such as specific waste storage bays and bunded 800 litre cages.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Laboratory Chemicals	**The wide variety of substances potentially within this category means it is not possible to define with certainty a conclusive list of potential components. This likely variety should be accounted for in corresponding risk assessments.**	Solid/ Liquids	**The wide variety of substances potentially within this category means a large number of Hazard Codes are likely to apply**	Likely	Substances can be dangerous to aquatic life and the environment. May not be biodegradable with potential for bioaccumulation. Fate and behaviour of individual substances may vary.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation such as specific waste storage bays and bunded 800 litre cages.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Waste arising from Batteries	Lead, Nickel, Cadmium, Mercury	Solid/Liquids	May include: H302 – Harmful if swallowed H332 – Harmful if inhaled H350 – May cause cancer H360 – May damage fertility or the unborn child H373 – May cause damage to organs H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Substances can be dangerous to aquatic life and the environment. May not be biodegradable with potential for bioaccumulation. Fate and behaviour of individual substances may vary.	Yes	5,000 tonnes		All batteries are segregated and stored according to type. This includes the segregation of Nickel Cadmium, Lithium, Lithium ion, etc based upon the chemical and hazardous nature of each unit. As lithium batteries contain flammable lithium metal, they are considered to be a potential fire risk. It is necessary to segregate these in poly-lined containers to avoid potential sparking and discharge.	No battery treatment takes place on the Site. Segregated batteries are stored prior to the transfer to an Authorised Battery Treatment Operator (ABTO).Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Wood Preservatives	Can include substances such as: Organometallics (copper naphthenate) Ammonium phosphates Zinc chloride Boric acid	Liquid/Solid	H302 – Harmful if swallowed H315 – Causes skin irritation H319 – Causes serious eye irritation H335 – May cause respiratory irritation H400 – Very toxic to aquatic life	Likely	Substances may contribute to the eutrophcation of drinking water supplies.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation such as specific waste storage bays and bunded 800 litre cages.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Tars, Ash	PAHs	Solid	H350 – May cause cancer H317 – May cause an allergic skin reaction H340 – May cause genetic defects H360 – May damage fertility or the unborn child H410 – Very toxic to aquatic life with long lasting effects	Likely	Known toxicity of substances to aquatic environment. Aquatic Fate: When deposited in water PAHs sink to the bottom of lakes and rivers. Some will move though the soil to contaminate groundwater. PAHs are ubiquitous in the marine environment, occurring at their highest environmental concentrations around urban centres. The availability of organic carbon controls, to a large extent, the partitioning behaviour of PAHs in sediment. Mixed microbial populations in sediment/water systems may degrade some PAHs, with degradation progressively decreasing with increasing molecular weight. Terrestrial Fate: The rate of degradation is dependent on nutrient content and the bacterial community in soil. PAHs in soils undergo a weathering process such that the lighter chain fractions are removed (primarily by volatilization). Heavier fractions bind to soil organic matter and remain behind in the top soil horizon. As the mixture of PAHs age, bioavailability changes as the fraction remaining bind more tightly. In general, the more soluble a PAH, the higher the uptake by plants while the reverse is true for uptake by earthworms and uptake in the gastrointestinal tract of animals. Persistence and bioaccumulative potential ranges from low to high. Mobility in soil is generally low.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation such as specific waste storage bays and bunded 800 litre cages.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Wastes containing/comprising Mercury	Mercury	Liquid	H330 – Fatal if inhaled H360D – May damage the unborn child H372 – Causes damage to organs H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Known toxicity to fish. Some bioaccumulation potential.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation such as specific waste storage bays and bunded 800 litre cages.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes

Chemicals/Substances Handled	Chemical Characteristics and Toxicity						Site Specific Risk						
Substance	Composition (where available/indicative)	Physical state	Hazard Code (estimation based on professional judgement)	Relevant Hazardous Substance (RHS) (EC Regulation No 1272/2008)	Environmental Fate and Behaviour	Substance Poses Potential Pollution Risk?	Maximum Storage at any One Time Across Facility (Aggregated). May contain wastes from any permitted activity.	Maximum Annual Usage/Throughput of Installation	Storage arrangements	Handling and usage	Risk mitigation measures	Residual risk? (Chemical of Concern)	Substance(s) of Concern Yes/No
Acids	Sulphuric acid, Hydrochloric acid, Hydrofluoric acid	Liquid	H290 – May be corrosive to metals H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage H335 – May cause respiratory irritation	Likely	Variation in the pH levels of soils and waters can affect soil fertility and lead to a decline in fish populations. Aquatic plants and insects forming part of the aquatic food chain may also be negatively affected.	Yes	5,000 tonnes	29,999 tonnes	Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation such as specific waste storage bays and bunded 800 litre cages.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Wastes containing/comprising Heavy metals	Can include: Lead Arsenic mercury cadmium Zinc Copper Silver Iron Chromium Nickel	Solid/liquid	H302 – Harmful if swallowed H332 – Harmful if inhaled H350 – May cause cancer H360 – May damage fertility or the unborn child H373 – May cause damage to organs H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Substances can be dangerous to aquatic life and the environment. May not be biodegradable with potential for bioaccumulation. Fate and behaviour of individual substances may vary.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation such as specific waste storage bays and bunded 800 litre cages.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Wastes containing Chlorosilanes	Substances may include: Methylvinyldichlorosilane	Liquid	H225 – Highly flammable liquid and vapour H302 – Harmful if swallowed H331 – Toxic if inhaled H314 – Causes severe skin burns and eye damage	Likely	Not biodegradable.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation such as specific waste storage bays and bunded 800 litre cages.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Halogented Solvents	Category most commonly includes: Methylene Chloride Trichloroethylene Trichlorofluoroethane 1,1,1-trichloroethane	Liquid	H315 – Causes skin irritation H319 – Causes serious eye irritation H336 – May cause drowsiness or dizziness H341 – Suspected of causing genetic defects H350 – May cause cancer H412 – Harmful to aquatic life with long lasting effects. H351 – Suspected of causing cancer	Likely	Substances of this type may exhibit aquatic toxicity and varying degrees of biodegradability. Bioconcentration may occur.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation such as specific waste storage bays and bunded 800 litre cages.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Organic Solvents	Conservative/'worst case' can include: Benzene Carbon tetrachloride Trichloroethylene	Liquid	H225 – Highly flammable liquid and vapour H301 – Toxic if swallowed H315 – Causes skin irritation H336 – May cause drowsiness or dizziness H319 – Causes serious eye irritation H340 – May cause genetic defects H350 – May cause cancer H372 – Causes damage to organs H304 – May be fatal if swallowed and enters airways H412 – Harmful to aquatic life with long lasting effects H420 – Harms public health and the environment by destroying ozone in the upper atmosphere	Likely	Substances typically may not biodegrade and may bioaccumulate. Toxicity within the aquatic environment is probable.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation such as specific waste storage bays and bunded 800 litre cages.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Isocyanates	Can include substances such as: Phenyl diisocyanate Toluene diisocyanate Hexamethylene diisocyanate	Liquid	H226 – Flammable liquid and vapour H302 – Harmful if swallowed H330 – Fatal if inhaled H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled H317 – May cause an allergic skin reaction H335 – May cause respiratory irritation H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Substances of this type may exhibit aquatic toxicity and varying degrees of biodegradability. Bioconcentration may occur.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Wastes containing/comprising bleach	Sodium hypochlorite	Liquid	H315 – Causes skin irritation. H318 – Causes serious eye damage H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Known toxicity to aquatic environment. Soluble in water and therefore likely to be highly mobile within the environment. Unlikely to bioaccumulate.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Cyanides	Conservative/'worst case' can include: Sodium Cyanide	Solid	H290 – May be corrosive to metals H300 – Fatal if swallowed H310 – Fatal in contact with skin H330 – Fatal if inhaled H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Expected to be biodegradable, soluble in water, unlikely to be persistent, known to be environmentally hazardous or not degradable in waste water treatment plants. Will likely be mobile in the environment and highly mobile in soils.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes

Chemicals/Substances Handled	Chemical Characteristics and Toxicity									Site Specific Risk		
Substance	**Composition (where available/indicative)**	**Physical state**	**Hazard Code (estimation based on professional judgement)**	**Relevant Hazardous Substance (RHS) (EC Regulation No 1272/2008)**	**Environmental Fate and Behaviour**	**Substance Poses Potential Pollution Risk?**	**Maximum Storage at any One Time Across Facility (Aggregated). May contain wastes from any permitted activity.**	**Maximum Annual Usage/Throughput of Installation**	**Storage arrangements**	**Handling and usage**	**Risk mitigation measures**	**Residual risk? (Chemical of Concern)**	**Substance(s) of Concern Yes/No**
TPHs containing PCBs	Hydrocarbons PCBs	Liquid	H304 – May be fatal if swallowed and enters airways H373 – May cause damage to organs H350 – May cause cancer H361d – Suspected of damaging the unborn child H372 – Causes damage to organs H400 – Very toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects	Likely	Non readily biodegradable components. Contains bioaccumulative components. Contains components that adsorb onto soils.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Peroxides	E.g. Hydrogen Peroxide	Liquid	H272 - May intensify fire H302 – Harmful if swallowed H318 – Causes serious eye damage H332 - Harmful if inhaled	Likely	Known to pose a risk to the aquatic environment. Readily biodegradable and unlikely to persist. Soluble in water and therefore mobile within the environment and highly mobile within soils.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Ammonia	Ammonia	Gas	H221 – Flammable gas H280 – Contains gas under pressure; may explode if heated H331 – Toxic if inhaled H314 – Causes severe skin burns and eye damage H318 – Causes serious eye damage H410 – Very toxic to aquatic life with long lasting effects H411 – Toxic to aquatic life with long lasting effects	Likely	Toxicity to aquatic organisms is noted. Substance is biodegradable. Not considered to be bioaccumulative or persistent.	Yes	5,000 tonnes		Hazardous wastes will be strictly segregated from each other to avoid the mixing of the two. Additionally, hazardous wastes will be stored and treated separately from all other waste streams accepted at the Installation. Stored in bunded bays within IBCs or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Gas is expected to disperse upon accidental release to the environment and is unlikely to impact soil or groundwater. The substance is therefore not considered a chemical of concern.	No
A12 Treatment and storage of non-hazardous waste for the purpose of disposal or recovery.													
Waste paints and Varnishes, Inks & Toners	May contain trace amounts of metals and organic or aqueous solvents	Solid (Powders)/ Liquid	H315 – Causes skin irritation H319 – Causes serious eye irritation	Likely	Discharge to the aquatic environment should be avoided however readily available data on environmental behaviour is limited.	Yes	5,000 tonnes		Will be stored in a designated area and transferred off-site for recovery. Water based paints are stored in a bunded storage tank prior to removal from the Site for treatment. Solvent based paints will be transferred to a suitably authorised facility via a bulk tanker.	All paints will be de-packaged and shredded by either the attritor plant for non-hazardous waste or by shredding and crushing of the paint containers in the paint or aerosol/waste plant. Solvent-based paints are bulked for recovery of the solvents for secondary fuels for use in the kilns for the cement industry whilst water-based paints are bulked for treatment off-Site at an authorised facility	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation. Attritor will also have its own secondary containment capable of containing 110% maximum capacity.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Machining sludges	May contain metals and low concentrations of hydrocarbons	Solid/Liquid	**The wide variety of substances potentially within this category means a large number of Hazard Codes are likely to apply**	Likely	Substances can be dangerous to aquatic life and the environment. May not be biodegradable with potential for bioaccumulation. Fate and behaviour of individual substances may vary.	Yes	5,000 tonnes		Stored in designated non-hazardous waste storage bays in IBC or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Drilling muds and wastes	**The wide variety of substances potentially within this category means it is not possible to define with certainty a conclusive list of potential components. This likely variety should be accounted for in corresponding risk assessments.**	Solid/Liquid	**The wide variety of substances potentially within this category means a large number of Hazard Codes are likely to apply**	Likely	Substances can be dangerous to aquatic life and the environment. May not be biodegradable with potential for bioaccumulation. Fate and behaviour of individual substances may vary.	Yes	5,000 tonnes		Stored in designated non-hazardous waste storage bays in IBC or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Wastes containing Calcium Carbonate	Calcium carbonate	Solid	None	Unlikely	Insoluble in water and therefore not considered likely to be mobile within the environment.	Yes	5,000 tonnes		Stored in designated non-hazardous waste storage bays in IBC or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes

Chemicals/Substances Handled	Chemical Characteristics and Toxicity									Site Specific Risk		
Substance	**Composition (where available/indicative)**	**Physical state**	**Hazard Code (estimation based on professional judgement)**	**Relevant Hazardous Substance (RHS) (EC Regulation No 1272/2008)**	**Environmental Fate and Behaviour**	**Substance Poses Potential Pollution Risk?**	**Maximum Storage at any One Time Across Facility (Aggregated). May contain wastes from any permitted activity.**	**Maximum Annual Usage/Throughput of Installation**	**Storage arrangements**	**Handling and usage**	**Risk mitigation measures**	**Residual risk? (Chemical of Concern)**	**Substance(s) of Concern Yes/No**
Wates containing sulphur	Sulphur and Sulphur compounds	Solid	H315 – Causes skin irritation.	Likely	Substances can be dangerous to aquatic life and the environment. May not be biodegradable with potential for bioaccumulation. Fate and behaviour of individual substances may vary.	Yes	5,000 tonnes	29,999 tonnes	Stored in designated non-hazardous waste storage bays in IBC or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Wastes containing PAHs	PAHs	Solid/Liquid	H350 – May cause cancer H317 – May cause an allergic skin reaction H340 – May cause genetic defects H360 – May damage fertility or the unborn child H410 – Very toxic to aquatic life with long lasting effects	Likely	Known toxicity of substances to aquatic environment. Aquatic Fate: When deposited in water PAHs sink to the bottom of lakes and rivers. Some will move though the soil to contaminate groundwater. PAHs are ubiquitous in the marine environment, occurring at their highest environmental concentrations around urban centres. The availability of organic carbon controls, to a large extent, the partitioning behaviour of PAHs in sediment. Mixed microbial populations in sediment/water systems may degrade some PAHs, with degradation progressively decreasing with increasing molecular weight. Terrestrial Fate: The rate of degradation is dependent on nutrient content and the bacterial community in soil. PAHs in soils undergo a weathering process such that the lighter chain fractions are removed (primarily by volatilization). Heavier fractions bind to soil organic matter and remain behind in the top soil horizon. As the mixture of PAHs	Yes	5,000 tonnes		Stored in designated non-hazardous waste storage bays in IBC or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Wastes containing metals	Can include: Lead Arsenic mercury cadmium Zinc Copper Silver Iron Chromium Nickel	Liquid/Solid	**The wide variety of substances potentially within this category means a large number of Hazard Codes are likely to apply**	Likely	Substances can be dangerous to aquatic life and the environment. May not be biodegradable with potential for bioaccumulation. Fate and behaviour of individual substances may vary.	Yes	5,000 tonnes		Stored in designated non-hazardous waste storage bays in IBC or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Sludges from soil or groundwater remediation	May contain traces of metals, hydrocarbons PAHs, VOC, PFAS/PFOS, etc.	Liquid/Solid	**The wide variety of substances potentially within this category means a large number of Hazard Codes are likely to apply**	Likely	Substances can be dangerous to aquatic life and the environment. May not be biodegradable with potential for bioaccumulation. Fate and behaviour of individual substances may vary.	Yes	5,000 tonnes		Stored in designated non-hazardous waste storage bays in IBC or drums.	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	The Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Maintenance Chemicals													
Ad-Blue	Water and urea (32.5 %)	Liquid	Not classified	No	Expected to be biodegradable.	Yes	1,000 litres	unknown	Stored in 1,000 litre IBC on a bunded pallet within maintenance room	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	IBC located in bunded pallet with 110% capacity and the Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	The nature of the substance, combined with potential for release to the environment, make this not a chemical of concern.	No
Assorted Oils	Various petroleum-derived oils	Liquid	Hazardous Substances	Yes	Non soluble. Moderate bioaccumulation potential. Release may result in significant short and long-term environmental impact.	Yes	<2,000 litres	unknown	Stored in 205 l drums on bunded pallets within maintenance room	Handling and process are undertaken by appropriately trained staff with materials stored in designated areas within the Installation.	IBC located in bunded pallet with 110% capacity and the Installation comprises/will comprise tertiary bunding from the concrete floor and walls and spillages within will be contained and managed using spill kits. However, integrity of hardstanding is currently noted to be variable across the Existing Installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Diesel	Diesel	Liquid	H226: Flammable liquid and vapor; H304: May be fatal if swallowed and enters airways; H315: Causes skin irritation; H319: Causes serious eye irritation; H332: Harmful if inhaled; H350: May cause cancer; H351: Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard); H373: Causes damage to organs through prolonged or repeated exposure; H412: Harmful to aquatic life with long lasting effects	Yes	Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.: This material is not expected to be readily biodegradable.	Yes	3,500 litres	unknown	Stored within 1,350 litre double skinned tank	Upon delivery, materials are directly transferred to storage area. Dispensing only occurs when materials are required for use. All process utilisation is carefully monitored by trained staff.	All material transfers are undertaken in appropriately-surfaced and/ or internal areas, are supervised by trained staff and are subject to careful in-process control. Spills are promptly managed and recovered or disposed of. Spill kits are available throughout the installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes

Chemicals/Substances Handled	Chemical Characteristics and Toxicity						Site Specific Risk					
Substance	**Composition (where available/indicative)**	**Physical state**	**Hazard Code (estimation based on professional judgement)**	**Relevant Hazardous Substance (RHS) (EC Regulation No 1272/2008)**	**Environmental Fate and Behaviour**	**Substance Poses Potential Pollution Risk?**	**Maximum Storage at any One Time Across Facility (Aggregated). May contain wastes from any permitted activity.**	**Maximum Annual Usage/Throughput of Installation**	**Storage arrangements**	**Handling and usage**	**Risk mitigation measures**	**Residual risk? (Chemical of Concern)**	**Substance(s) of Concern Yes/No**
Cleaning Chemicals (alkaline cleaner, pota	Sodium Hydroxids Disodium metasilicate Trisodium nitrilotriacetate Ethylene glycol monobutyl ether (2-Butoxyethanol) Potassium Hydroxide Sodium Gluconate	Liquid	H314 Causes severe skin burns and eye damage.	Likely	The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.	Yes	<100 litres	unknown	Smaller containers stored within metal container within maintenance room	Upon delivery, materials are directly transferred to storage area. Dispensing only occurs when materials are required for use. All process utilisation is carefully monitored by trained staff.	All material transfers are undertaken in appropriately-surfaced and/ or internal areas, are supervised by trained staff and are subject to careful in-process control. Spills are promptly managed and recovered or disposed of. Spill kits are available throughout the installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Acid Bulk (brick acid, acid descaler and bat	Hydrochloric Acid Phosphoric Acid 40% Sulphuric Acid	Liquid	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation.	Likely	Although not classified as harmful to the environment the material should not be discharged to land or water systems, this may have an impact on the organisms in the local area. The product is miscible with water and will spread in water systems. The product may produce a local pH change in water systems which can have an effect on aquatic organisms.	Yes	1 x 1,000 litre IBC bulked from smaller containers by supervised site chemist	unknown	Smaller containers stored within metal container within maintenance room	Upon delivery, materials are directly transferred to storage area. Dispensing only occurs when materials are required for use. All process utilisation is carefully monitored by trained staff.	All material transfers are undertaken in appropriately-surfaced and/ or internal areas, are supervised by trained staff and are subject to careful in-process control. Spills are promptly managed and recovered or disposed of. Spill kits are available throughout the installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Solvents/Paint (gloss, white spirit and thin	Hydrocarbons C9-C11 Naphtha Hydrocarbons C11-C14 methanol toluene xylene hexane methyl acetate	Liquid	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H318 Causes serious eye damage. H332 Harmful if inhaled H336 May cause drowsiness or dizziness. H361fd Suspected of damaging fertility. Suspected of damaging the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects	Likely	Substances typically may not biodegrade and may bioaccumulate. Toxicity within the aquatic environment is probable.	Yes	1 x 1,000 litre IBC bulked from smaller containers by supervised site chemist	unknown	Smaller containers stored within metal container within maintenance room	Upon delivery, materials are directly transferred to storage area. Dispensing only occurs when materials are required for use. All process utilisation is carefully monitored by trained staff.	All material transfers are undertaken in appropriately-surfaced and/ or internal areas, are supervised by trained staff and are subject to careful in-process control. Spills are promptly managed and recovered or disposed of. Spill kits are available throughout the installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes
Wet solvents including insecticide and scre	Permethrin Petroleum distillates Nonylphenol ethoxylate Ethanol methanol	Liquid	H226 Flammable liquid and vapour; H227: Combustible Liquid; H304: May be fatal if swallowed and enters airways; H315: Causes skin irritation;	Likely	The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.	Yes	1 x 1,000 litre IBC bulked from smaller containers by supervised site chemist	unknown	Smaller containers stored within metal container within maintenance room	Upon delivery, materials are directly transferred to storage area. Dispensing only occurs when materials are required for use. All process utilisation is carefully monitored by trained staff.	All material transfers are undertaken in appropriately-surfaced and/ or internal areas, are supervised by trained staff and are subject to careful in-process control. Spills are promptly managed and recovered or disposed of. Spill kits are available throughout the installation.	Spillages could occur during transport and enter the environment through drains or comprised ground surfacing. The potential maximum quantity and nature of the substance, combined with potential for release to the environment, make this a chemical of concern.	Yes

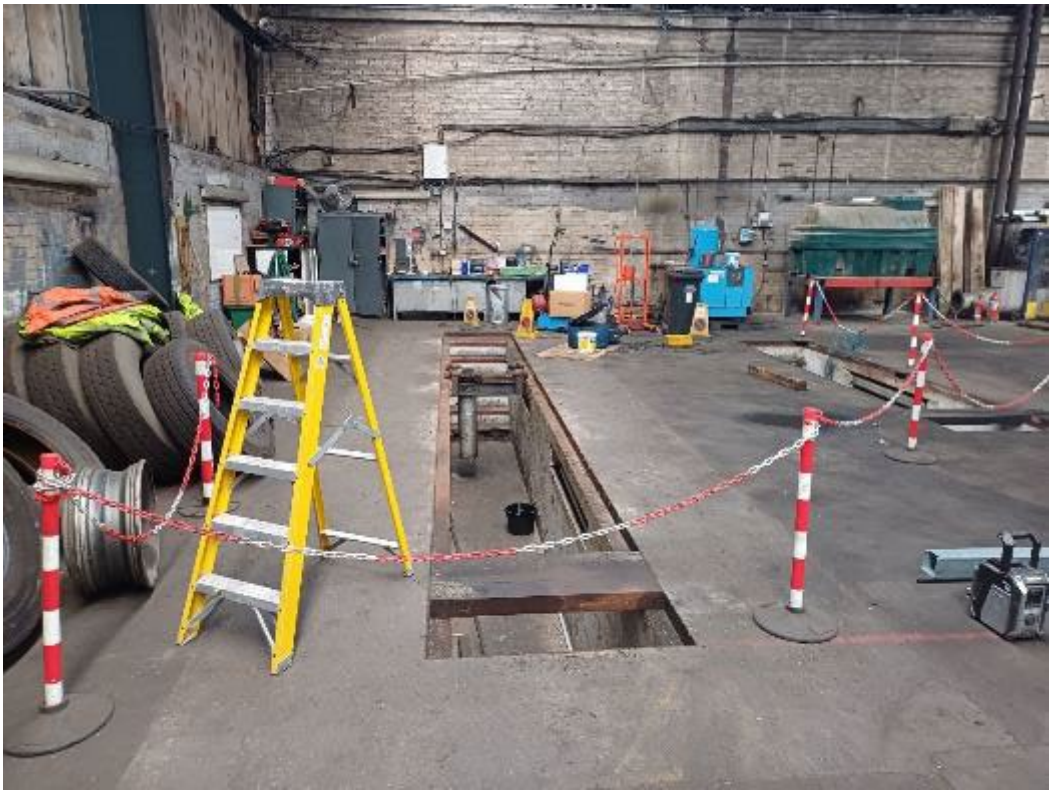
Appendix C1: Additional Installation Area Photographic Log

Photograph 1: View looking west across external Additional Area.

Photograph 2: View looking north towards empty IBCs and silos stored in external Additional Area.

Photograph 3: View looking north towards empty IBCs and tank stored in external Additional Area.

Photograph 4: Vehicle inspection pits in south of internal Additional Area.



Photograph 5: Double skinned diesel tank located in south of internal Additional Area.

Photograph 6: Example of wear to hardstanding in south of internal Additional Area.

Photograph 7: Example of wear to hardstanding in south of internal Additional Area.

Photograph 8: Containers and plant currently stored within the internal Additional Area.

Photograph 9: Oil drums stored on bunded pallets in the Maintenance Room within the internal Additional Area.

Photograph 10: Oil drums/containers stored on bunded pallets in the Maintenance Room within the internal Additional Area. Spill kit noted also.

Photograph 11: Ad Blue stored on bunded pallets in the Maintenance Room within the internal Additional Area.

Appendix C2: Existing Installation Area Photographic Log

Photograph 12: Waste Reception Area within existing Installation Area.

Photograph 13. Chemical Waste Storage Bay with 'sleeping policeman' bunding in existing Installation Area

Photograph 14: Chemical Waste Storage Bay without 'sleeping policeman' bunding in existing Installation area

Photograph 15: New Paint and Aerosol Plant within existing Installation area.

Photograph 16: Wear to concrete hardstanding in Waste Dispatch Area within existing Installation area.

Photograph 17: Toxic Substance Storage Cage located in Waste Dispatch Area within existing Installation.

Photograph 18: Gas cylinder storage located in Waste Dispatch Area within existing Installation. Drums noted to contain smaller gas cylinders/canisters

Photograph 19: Freon Storage located in Waste Dispatch Area within existing Installation.

Photograph 20: View looking east across the Waste Dispatch Area within the existing Installation. Poor quality of the hardstanding is noted. Ponded liquid with possible sheen noted on hardstanding represents standing water from rainfall. Demonstrates the lack of surface water drainage in this area of the Installation.

Photograph 21: Example of minor spillage within Waste Dispatch Area.

Photograph 22: Gas Oil Tank located in Boiler Room within the existing Installation Area.

Photograph 23: IBC of compressor oil from Fridge Plant within existing Installation area.

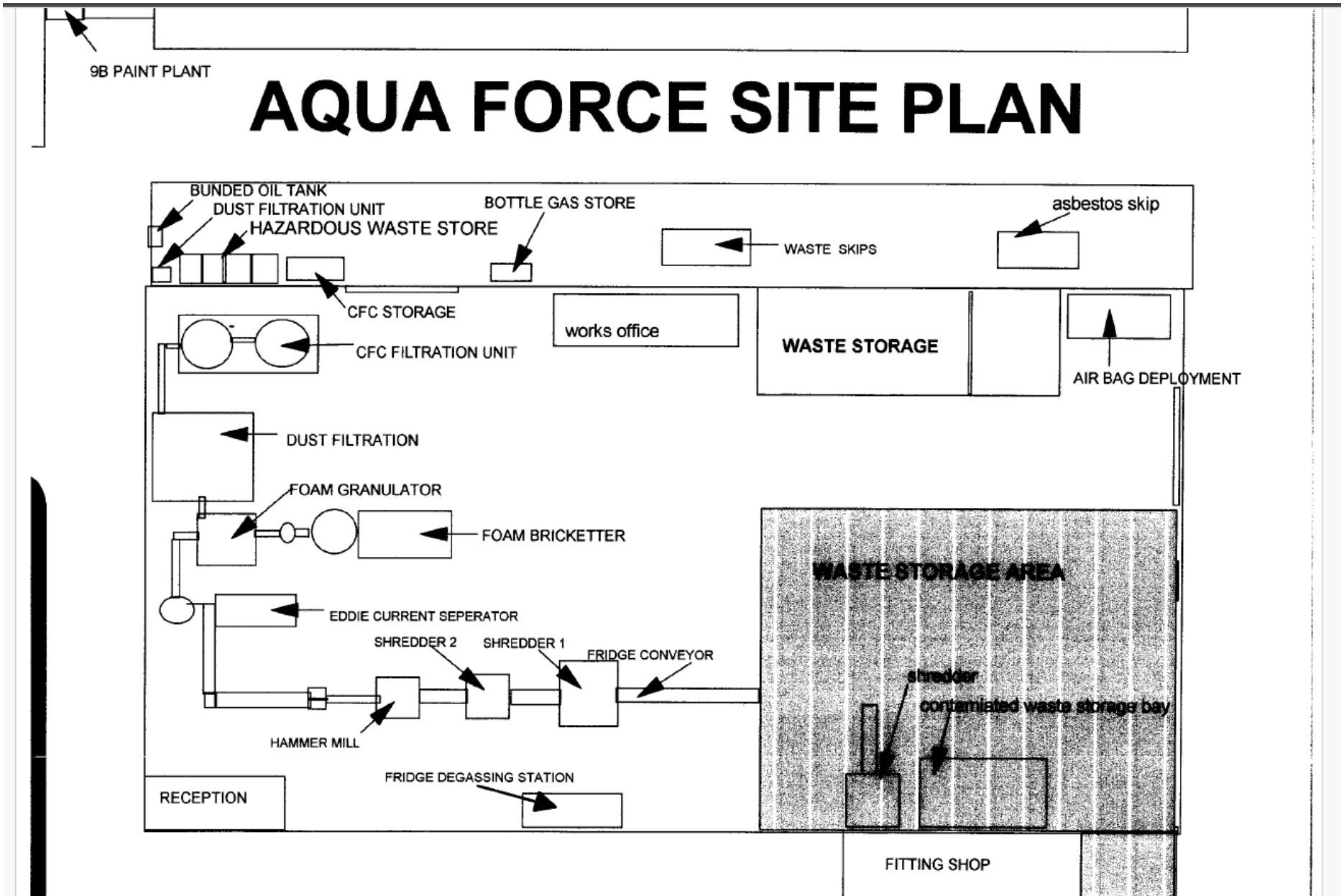
Photograph 24: Absorbers located within the existing Installation area.

Photograph 25: Fridge Storage Area within the existing Installation area.

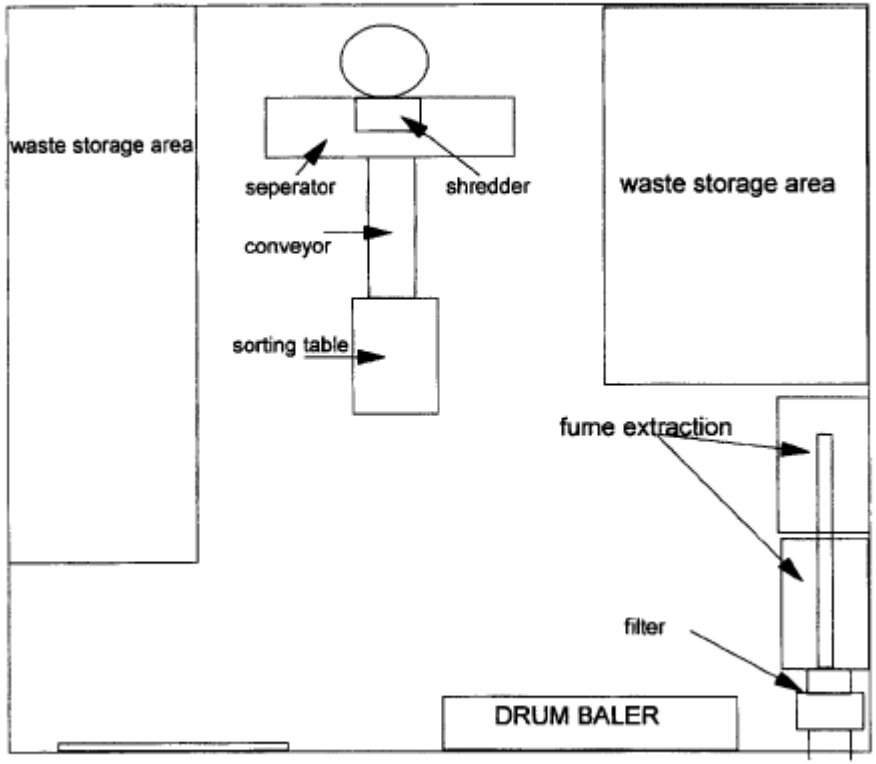
Photograph 26: Possible minor spill in Chemical Waste Storage Bay within existing Installation area.

Photograph 27: Example of wear to hardstanding within the internal existing Installation area

Appendix D: Current Layout Drawing


9B PAINT PLANT
AQUA FORCE SITE PLAN
BUNDED OIL TANK
DUST FILTRATION UNIT
HAZARDOUS WASTE STORE
BOTTLE GAS STORE
WASTE SKIPS
asbestos skip
CFC STORAGE
CFC FILTRATION UNIT
works office
WASTE STORAGE
AIR BAG DEPLOYMENT
DUST FILTRATION
FOAM GRANULATOR
FOAM BRICKETTER
WASTE STORAGE AREA
EDDIE CURRENT SEPERATOR
SHREDDER 2
SHREDDER 1
FRIDGE CONVEYOR
shredder
contaminated waste storage bay
HAMMER MILL
FRIDGE DEGASSING STATION
RECEPTION
FITTING SHOP

AEROSOL/PAINT PLANT



Appendix E: Incident Record

HSE

Health and Safety Executive

Health and Safety at Work etc Act 1974.
The Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013

Report of a Dangerous Occurrence

Notification Number: 12C1221631 Submitted Date: 15/02/2024

About you and your organisation

Notifier Name	Mr John Husbands
Job Title	Technical Director
Phone Number	07736885825
Organisation Name	Aqua Force Special Waste Limited
Address	Sprint Industrial Estate Station Road Four Ashes WOLVERHAMPTON WV10 7DB
Fax Number	
Email	alex@aquaforce-recycling.co.uk

Where did the incident happen

The incident happened at the above address

About the dangerous occurrence

Incident date	13/02/2024
Incident time	07:00

In which local authority did the incident occur (Country, Geographical Area and Local Authority)?

England, West Midlands, Wolverhampton

In which department or where on the premises did the incident happen?

Paint room

What type of work was being carried out (generally the main business activity of the site)?

Utilities, sewerage, waste and recycling - Materials recovery/recycling - Recovery of sorted materials

Type of dangerous occurrence	Explosion or fire resulting in plant stoppage
Description	Shredding waste led to spark and ignition of surrounding plant and material. Personnel (two persons both supervisors) attempted to extinguish with hand held extinguishers when it was clear this was not working they evacuated the building - no other personnel were present within the affected part of the building. Fire alarm was raised within one minute of the start of the fire manually via fire alarm call point. The fire sounders were activated and the whole factory was successfully evacuated and all personnel accounted for. Fire brigade were called at the point when it was apparent that the fire was out of control. The fire was dealt with by the fire brigade and contained to one room in a building. No injuries or fatalities including no evidence of effects of smoke inhalation as smoke and

fire initially contained inside machinery.

The enforcing authority for the address where the incident happened is HSE

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	EPR/XP3992FV
Name of operator	AQUA FORCE SPECIAL WASTE LTD
Location of Facility	WOLVERHAMPTON
Time and date of the detection	1508 10/6/24

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	1508 10/6/24
Reference or description of the location of the event	SKIP TIPPING BAY MAIN UNIT
Description of where any release into the environment took place	NONE – CONTAINED
Substances(s) potentially released	NONE – CONTAINED
Best estimate of the quantity or rate of release of substances	NONE – CONTAINED
Measures taken, or intended to be taken, to stop any emission	BUNDED AREA
Description of the failure or accident.	FIRE DUE TO UNEXPECTED CHEMICAL CONTAINED IN CONTAMINATED PACKAGING

(b) Notification requirements for the breach of a limit NO LIMIT BREACH	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Measures taken, or intended to be taken, to stop the emission	N/A

Time periods for notification following detection of a breach of a limit	
Parameter	**Notification period**
N/A	

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	NONE DETECTED
Description of where the effect on the environment was detected	N/A
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	FIRE BRIGADE CALLED + ATTENDED
Measures taken, or intended to be taken, to prevent a recurrence of the incident	INFORMED CUSTOMER/PRODUCER OF WASTE INVESTIGATE FULLY
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	INVESTIGATION.
The dates of any unauthorised emissions from the facility in the preceding 24 months.	N/A NONE

Name*	ALEX HUSBANDS
Post	TECHNICAL DIRECTOR
Signature	
Date	11/6/24

* authorised to sign on behalf of the operator

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	EPR/XP3992FV
Name of operator	AQUAFORCE SPECIAL WASTE LIMITED
Location of Facility	FOUR ASHES WOLVERHAMPTON WV10 7DB
Time and date of the detection	0650

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	13/02/24
Reference or description of the location of the event	PAINT PROCESSING PLANT
Description of where any release into the environment took place	PAINT PROCESSING PLANT.
Substances(s) potentially released	FIRE WATER SMOKE
Best estimate of the quantity or rate of release of substances	10 TONNED FIRE WATER
Measures taken, or intended to be taken, to stop any emission	SEALED DRAINS ARRANGED TANKER
Description of the failure or accident.	SPARK CAUSING FIRE IN AUROSOL PLANT

(b) Notification requirements for the breach of a limit NO LIMIT BREACH	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	**Notification period**

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	NONE DETECTED
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	REVIEW OF ACTIVITY AND PREVENTION IN AREA
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	A. HUSBANDS
Post	TECHNICAL DIRECTOR
Signature	
Date	14/02/24

* authorised to sign on behalf of the operator

Appendix F: Groundsure Report

Groundsure
LOCATION INTELLIGENCE

Enviro
Insight

GILLS TRANSPORT, STATION ROAD, FOUR ASHES, WV10 7DB

Order Details

Date: 06/07/2021

Your ref: Aquaforce

Our Ref: GS-8016591

Client: Crestwood Environmental Ltd

Site Details

Location: 391763 308541

Area: 0.88 ha

Authority: South Staffordshire Council

Contact us with any questions at:
info@groundsure.com
08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
11	1.1	Historical industrial land uses	4	15	37	32	-
15	1.2	Historical tanks	2	4	72	72	-
21	1.3	Historical energy features	0	4	5	2	-
21	1.4	Historical petrol stations	0	0	0	0	-
22	1.5	Historical garages	0	0	0	0	-
22	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
23	2.1	Historical industrial land uses	6	19	48	41	-
28	2.2	Historical tanks	3	7	114	115	-
36	2.3	Historical energy features	0	8	8	6	-
37	2.4	Historical petrol stations	0	0	0	0	-
38	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
39	3.1	Active or recent landfill	0	0	0	0	-
39	3.2	Historical landfill (BGS records)	0	0	0	0	-
40	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
40	3.4	Historical landfill (EA/NRW records)	0	0	1	2	-
41	3.5	Historical waste sites	1	1	0	2	-
41	3.6	Licensed waste sites	0	5	19	5	-
50	3.7	Waste exemptions	5	2	10	4	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
53	4.1	Recent industrial land uses	0	12	57	-	-
58	4.2	Current or recent petrol stations	0	0	0	0	-
58	4.3	Electricity cables	0	0	0	0	-
58	4.4	Gas pipelines	0	0	0	0	-
58	4.5	Sites determined as Contaminated Land	0	0	0	0	-

59	4.6	Control of Major Accident Hazards (COMAH)	0	0	1	0	-
59	4.7	Regulated explosive sites	0	0	0	0	-
59	4.8	Hazardous substance storage/usage	0	0	0	2	-
60	4.9	Historical licensed industrial activities (IPC)	0	0	7	78	-
70	4.10	Licensed industrial activities (Part A(1))	0	1	23	70	-
85	4.11	Licensed pollutant release (Part A(2)/B)	0	0	2	1	-
86	4.12	Radioactive Substance Authorisations	0	0	0	0	-
86	4.13	Licensed Discharges to controlled waters	0	0	0	2	-
86	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
86	4.15	Pollutant release to public sewer	0	0	0	0	-
87	4.16	List 1 Dangerous Substances	0	0	0	0	-
87	4.17	List 2 Dangerous Substances	0	0	0	0	-
87	4.18	Pollution Incidents (EA/NRW)	1	0	1	7	-
88	4.19	Pollution inventory substances	0	0	1	4	-
90	4.20	Pollution inventory waste transfers	0	0	2	1	-
99	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Geology (basic)					
100	5.1	Superficial geology (625k)	Identified (within 500m)				
100	5.2	Bedrock geology (625k)	Identified (within 500m)				

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
101	6.1	Superficial aquifer	Identified (within 500m)				
103	6.2	Bedrock aquifer	Identified (within 500m)				
104	6.3	Groundwater vulnerability	Identified (within 50m)				
105	6.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
105	6.5	Groundwater vulnerability- local information	None (within 0m)				
106	6.6	Groundwater abstractions	0	0	7	7	8
112	6.7	Surface water abstractions	0	0	0	3	11
115	6.8	Potable abstractions	0	0	0	0	1
116	6.9	Source Protection Zones	1	0	0	0	-

116	6.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
117	**7.1**	**Water Network (OS MasterMap)**	0	0	14	-	-
119	**7.2**	**Surface water features**	0	0	2	-	-
119	**7.3**	**WFD Surface water body catchments**	1	-	-	-	-
119	**7.4**	**WFD Surface water bodies**	0	0	1	-	-
120	**7.5**	**WFD Groundwater bodies**	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
121	8.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
121	8.2	Historical Flood Events	0	0	0	-	-
121	8.3	Flood Defences	0	0	0	-	-
121	8.4	Areas Benefiting from Flood Defences	0	0	0	-	-
122	8.5	Flood Storage Areas	0	0	0	-	-
123	8.6	Flood Zone 2	None (within 50m)				
123	8.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
124	**9.1**	**Surface water flooding**	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding					
126	**10.1**	**Groundwater flooding**	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
127	**11.1**	**Sites of Special Scientific Interest (SSSI)**	0	0	1	0	0
128	11.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
128	11.3	Special Areas of Conservation (SAC)	0	0	0	0	0
128	11.4	Special Protection Areas (SPA)	0	0	0	0	0
128	11.5	National Nature Reserves (NNR)	0	0	0	0	0
129	11.6	Local Nature Reserves (LNR)	0	0	0	0	0
129	11.7	Designated Ancient Woodland	0	0	0	0	0
129	11.8	Biosphere Reserves	0	0	0	0	0
129	11.9	Forest Parks	0	0	0	0	0

130	11.10	Marine Conservation Zones	0	0	0	0	0
130	**11.11**	**Green Belt**	0	1	0	0	0
130	11.12	Proposed Ramsar sites	0	0	0	0	0
130	11.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
131	11.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
131	11.15	Nitrate Sensitive Areas	0	0	0	0	0
131	**11.16**	**Nitrate Vulnerable Zones**	2	0	0	0	0
132	**11.17**	**SSSI Impact Risk Zones**	2	-	-	-	-
133	**11.18**	**SSSI Units**	0	0	1	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
135	12.1	World Heritage Sites	0	0	0	-	-
136	12.2	Area of Outstanding Natural Beauty	0	0	0	-	-
136	12.3	National Parks	0	0	0	-	-
136	12.4	Listed Buildings	0	0	0	-	-
136	**12.5**	**Conservation Areas**	0	0	1	-	-
137	12.6	Scheduled Ancient Monuments	0	0	0	-	-
137	12.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
138	**13.1**	**Agricultural Land Classification**	Grade 3 (within 250m)				
139	13.2	Open Access Land	0	0	0	-	-
139	**13.3**	**Tree Felling Licences**	0	0	2	-	-
139	**13.4**	**Environmental Stewardship Schemes**	0	0	1	-	-
140	13.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
141	**14.1**	**Priority Habitat Inventory**	0	0	5	-	-
142	14.2	Habitat Networks	0	0	0	-	-
142	14.3	Open Mosaic Habitat	0	0	0	-	-
142	14.4	Limestone Pavement Orders	0	0	0	-	-

Recent aerial photograph

Capture Date: 03/07/2019

Site Area: 0.88ha

Recent site history - 2017 aerial photograph

Capture Date: 10/05/2017

Site Area: 0.88ha

Recent site history - 2010 aerial photograph

Capture Date: 23/05/2010

Site Area: 0.88ha

Recent site history - 2000 aerial photograph

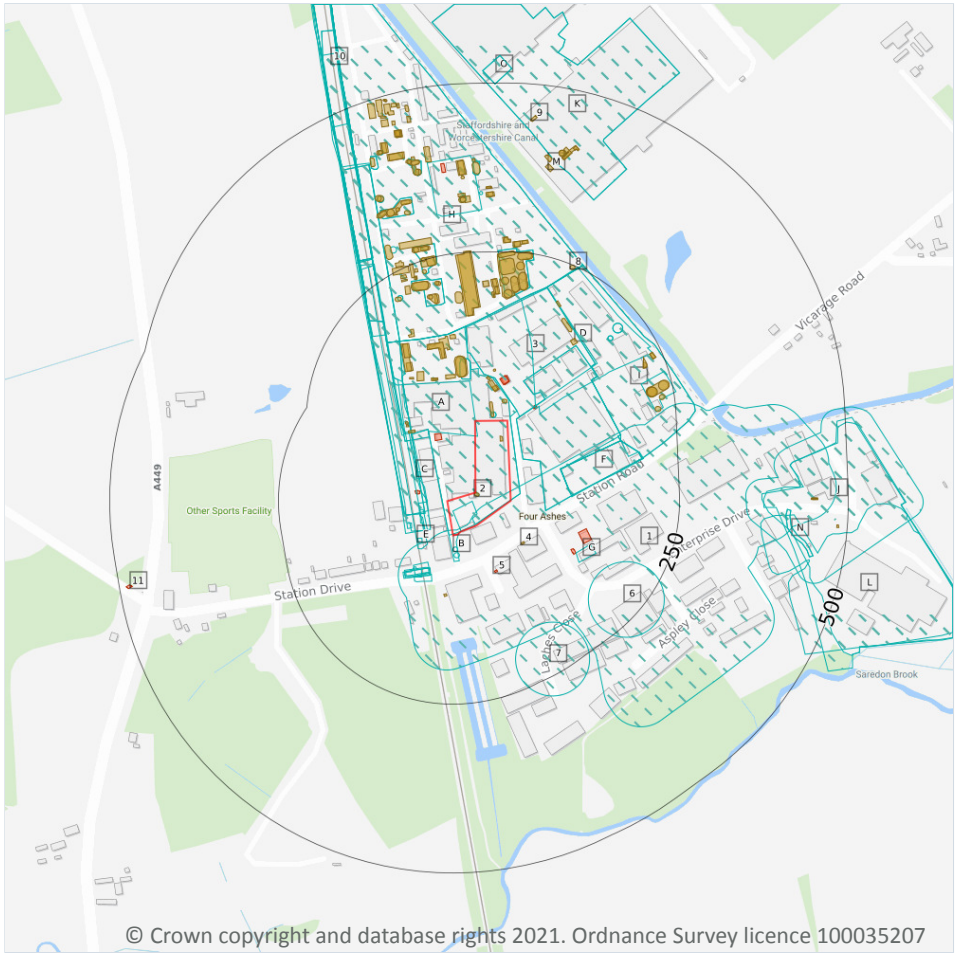
Capture Date: 19/06/2000

Site Area: 0.88ha

OS MasterMap site plan

Site Area: 0.88ha

1 Past land use



1.1 Historical industrial land uses

Records within 500m	88

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

Features are displayed on the Past land use map on **page 11**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Industrial Estate**	**1994**	**807065**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Chemical Works**	**1924**	**857901**
A	**On site**	**Unspecified Works**	**1988 - 1994**	**937415**
A	**On site**	**Unspecified Works**	**1967 - 1978**	**985056**
A	5m N	Chimney	1988 - 1994	928830
A	5m N	Chimney	1978	938004
A	14m E	Engineering Works	1978	889927
A	14m E	Engineering Works	1988	897803
B	17m S	Unspecified Tank	1924	826481
3	19m NE	Unspecified Factory	1967	821451
B	26m S	Unspecified Tank	1924	826482
A	30m W	Railway Sidings	1924	926043
A	30m W	Railway Sidings	1900 - 1924	961024
A	30m W	Railway Sidings	1967	952639
A	36m W	Railway Sidings	1988 - 1994	938946
A	36m W	Railway Sidings	1978	968985
A	42m W	Railway Sidings	1954	982098
D	46m NE	Chemical Works	1924	895950
E	46m W	Railway Building	1924	821114
C	52m NW	Railway Building	1924	821116
E	55m SW	Railway Station	1967	945744
E	58m W	Railway Building	1924	821117
E	59m SW	Railway Station	1900	921394
E	60m SW	Railway Station	1954	915979
E	61m SW	Railway Station	1924	932629
A	62m N	Unspecified Tanks	1978	846288
A	62m N	Unspecified Tanks	1988 - 1994	948727
E	66m SW	Railway Station	1924	862796
E	69m SW	Railway Station	1883	973451

ID	Location	Land use	Dates present	Group ID
F	75m E	Timber Yard	1994	943216
F	76m E	Timber Yard	1978	911192
F	76m E	Timber Yard	1988	989315
G	124m SE	Unspecified Works	1988	830759
H	135m N	Unspecified Works	1988 - 1994	881361
H	135m N	Unspecified Works	1978	983660
I	138m NE	Unspecified Commercial/Industrial	1978	889888
I	138m NE	Unspecified Commercial/Industrial	1988 - 1994	892578
6	169m SE	Unspecified Depot	1988	818582
7	173m SE	Unspecified Depot	1988	818581
H	180m N	Unspecified Tanks	1988 - 1994	846008
H	180m N	Unspecified Tanks	1978	852528
H	184m N	Unspecified Tanks	1988 - 1994	914268
H	184m N	Unspecified Tanks	1978	915331
H	184m NW	Cuttings	1883	954105
I	192m NE	Chimney	1978	879199
I	192m NE	Chimney	1988 - 1994	884282
H	200m NW	Cuttings	1988	921067
H	200m NW	Cuttings	1978	922990
H	200m NW	Cuttings	1994	988647
I	205m E	Unspecified Tanks	1988 - 1994	962112
I	206m NE	Unspecified Tank	1988 - 1994	894143
I	206m NE	Unspecified Tank	1978	932650
H	209m NW	Unspecified Tank	1978	848999
H	209m NW	Unspecified Tank	1988 - 1994	900420
H	229m N	Unspecified Tanks	1978	909399
H	229m N	Unspecified Tanks	1988 - 1994	972220
H	275m NW	Cuttings	1924	898278

ID	Location	Land use	Dates present	Group ID
H	276m NW	Unspecified Tank	1994	826244
H	284m NW	Cuttings	1954	882481
H	285m NW	Cuttings	1900	898908
H	285m NW	Cuttings	1924	921318
H	307m N	Unspecified Works	1967	898954
H	320m N	Unspecified Tanks	1978	934553
H	320m N	Unspecified Tanks	1988 - 1994	973475
H	325m N	Unspecified Tank	1988 - 1994	921865
H	325m N	Unspecified Tank	1978	930488
H	335m N	Chimney	1978	835838
J	348m E	Unspecified Pit	1994	841685
K	351m N	Unspecified Works	1978	830764
K	351m N	Chemical Works	1988 - 1994	854014
H	352m NW	Unspecified Tank	1988 - 1994	854953
H	352m NW	Unspecified Tank	1978	930015
H	364m N	Unspecified Tanks	1978	890483
H	364m N	Unspecified Tanks	1988 - 1994	906665
L	372m E	Sand and Gravel Pit	1954	810520
L	372m E	Unspecified Works	1988	922247
H	373m N	Unspecified Tanks	1978	878309
H	373m N	Unspecified Tanks	1988 - 1994	983219
L	374m E	Unspecified Works	1978	875804
H	400m N	Unspecified Tanks	1988 - 1994	878858
H	400m N	Unspecified Tanks	1978	909712
N	408m E	Unspecified Ground Workings	1988	885388
N	408m E	Unspecified Ground Workings	1978	973956
H	418m N	Unspecified Tank	1988 - 1994	880927
H	418m N	Unspecified Tank	1978	984153

ID	Location	Land use	Dates present	Group ID
10	479m NW	Cuttings	1967	981689
O	499m N	Unspecified Tanks	1978	955681
O	499m N	Unspecified Tanks	1988 - 1994	964468

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**150**

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

Features are displayed on the Past land use map on **page 11**

ID	Location	Land use	Dates present	Group ID
2	**On site**	**Unspecified Tank**	**1975 - 1988**	**147043**
A	**On site**	**Unspecified Tank**	**1988**	**119880**
A	6m N	Tanks	1957	108309
A	26m N	Unspecified Tank	1975 - 1990	136265
A	43m N	Unspecified Tank	1975	140756
A	44m N	Unspecified Tank	1988 - 1990	144891
4	60m SE	Unspecified Tank	1990	119879
A	60m N	Unspecified Tank	1988 - 1990	147002
A	68m N	Tanks	1975	132411
A	68m N	Tanks	1988 - 1990	146795
A	70m NW	Tanks	1975 - 1990	124037
A	73m N	Unspecified Tank	1957	119878
A	82m NW	Tanks	1975	131672
A	83m NW	Tanks	1988 - 1990	130460
E	87m S	Unspecified Tank	1990	119881

ID	Location	Land use	Dates present	Group ID
A	89m W	Unspecified Tank	1975	119882
A	97m NW	Tanks	1975 - 1990	137447
A	98m W	Unspecified Tank	1988	119883
A	99m W	Unspecified Tank	1957	119885
A	103m NW	Tanks	1975	125804
A	104m NW	Tanks	1988 - 1990	147959
A	110m NW	Tanks	1975	108121
A	119m NW	Tanks	1975	138660
A	120m NW	Tanks	1988 - 1990	132592
A	126m N	Unspecified Tank	1975 - 1990	132893
A	134m NW	Tanks	1975	124554
D	148m NE	Unspecified Tank	1975 - 1988	135687
A	154m NW	Tanks	1988 - 1990	129026
H	156m N	Tanks	1975	126537
H	156m N	Tanks	1988 - 1990	138519
D	161m NE	Tanks	1957	108310
H	176m N	Tanks	1975 - 1990	133415
H	180m N	Tanks	1988 - 1990	128962
H	182m N	Tanks	1975	124670
H	182m N	Tanks	1975	140719
H	182m N	Tanks	1975	143259
H	183m N	Tanks	1988 - 1990	135276
H	183m N	Tanks	1988 - 1990	136798
D	185m NE	Tanks	1988 - 1990	137259
H	188m N	Tanks	1975	142306
H	190m N	Tanks	1975	138485
H	192m N	Tanks	1975	141302
H	195m N	Tanks	1975	124048

ID	Location	Land use	Dates present	Group ID
H	199m N	Tanks	1975	108308
H	199m N	Tanks	1975	128951
H	202m N	Tanks	1975	132832
H	207m N	Tanks	1975	142380
H	208m N	Tanks	1988 - 1990	143927
H	208m N	Tanks	1975	108122
H	209m N	Unspecified Tank	1988 - 1990	127475
H	209m NW	Unspecified Tank	1975 - 1990	123699
I	210m E	Unspecified Tank	1957 - 1988	127076
I	210m E	Tanks	1990	108312
H	211m NW	Tanks	1975	108116
I	211m E	Unspecified Tank	1979	142902
I	216m E	Tanks	1957 - 1985	130783
H	216m N	Tanks	1975	140499
I	216m E	Tanks	1979	149369
I	220m E	Unspecified Tank	1957 - 1988	147904
H	224m N	Tanks	1975	144067
H	227m NW	Tanks	1975	108120
H	227m NW	Unspecified Tank	1988 - 1990	127429
I	228m E	Unspecified Tank	1957 - 1988	145773
I	230m E	Unspecified Tank	1957 - 1988	148743
H	231m N	Tanks	1975	108123
H	231m NW	Tanks	1975	108117
H	231m NW	Unspecified Tank	1975	119886
I	233m NE	Unspecified Tank	1988	119876
I	233m NE	Tanks	1957 - 1985	127865
H	235m NW	Tanks	1975	108115
H	237m N	Tanks	1975	108119

ID	Location	Land use	Dates present	Group ID
H	239m N	Tanks	1988 - 1990	128973
H	239m N	Tanks	1975	137008
H	239m N	Tanks	1975	132499
H	241m NW	Tanks	1975	108114
H	241m N	Tanks	1975	144756
8	243m NE	Unspecified Tank	1975 - 1990	124260
H	248m N	Tanks	1975	141093
H	253m NW	Tanks	1975	108113
H	257m N	Tanks	1988 - 1990	128911
H	257m N	Tanks	1975	127517
H	262m N	Tanks	1975	132806
H	263m N	Tanks	1975	127946
H	263m N	Tanks	1988 - 1990	143741
H	263m N	Tanks	1988 - 1990	148986
H	264m N	Tanks	1975	145376
H	264m N	Tanks	1975	145204
H	270m N	Tanks	1975	108118
H	270m NW	Tanks	1988 - 1990	132663
H	321m N	Tanks	1975 - 1990	142064
H	324m N	Tanks	1988 - 1990	136667
H	324m N	Unspecified Tank	1975	119877
H	326m N	Tanks	1975	140734
H	327m N	Tanks	1988 - 1990	127679
H	327m N	Tanks	1975	136384
H	330m N	Tanks	1975	134537
H	331m NW	Tanks	1975	140636
H	331m N	Tanks	1975	124427
H	331m N	Tanks	1988 - 1990	134549

ID	Location	Land use	Dates present	Group ID
H	333m N	Unspecified Tank	1975 - 1990	130886
H	336m N	Tanks	1975	129879
H	344m N	Tanks	1975	108306
H	344m N	Unspecified Tank	1988 - 1990	137300
H	353m NW	Tanks	1975	131387
H	355m NW	Tanks	1988 - 1990	147697
H	359m N	Unspecified Tank	1957 - 1975	143816
H	364m N	Tanks	1988 - 1990	138101
H	365m N	Tanks	1975	144116
H	365m N	Tanks	1975 - 1990	122461
H	373m N	Unspecified Tank	1975	119887
H	374m N	Tanks	1988 - 1990	133054
M	374m N	Tanks	1975	108307
H	384m N	Tanks	1975	108305
M	388m N	Tanks	1975 - 1990	127702
H	389m N	Unspecified Tank	1975	119888
H	389m N	Tanks	1975 - 1990	130564
H	393m N	Unspecified Tank	1975	119889
M	395m N	Tanks	1988 - 1990	140135
M	396m N	Tanks	1975	133293
M	399m N	Tanks	1975	144402
M	400m N	Unspecified Tank	1988 - 1990	134583
H	403m N	Tanks	1988 - 1990	139495
H	403m N	Tanks	1975	136673
H	405m N	Tanks	1975 - 1990	147012
M	413m N	Tanks	1975	129130
H	418m N	Tanks	1988 - 1990	131696
H	418m N	Tanks	1975	128606

ID	Location	Land use	Dates present	Group ID
H	419m N	Tanks	1975	124542
H	435m N	Tanks	1983	123214
H	435m N	Tanks	1976	127798
H	435m N	Unspecified Tank	1993	119921
H	437m N	Tanks	1984	131145
9	445m N	Unspecified Tank	1976 - 1993	124494
J	445m E	Unspecified Tank	1957 - 1990	129273
J	447m E	Unspecified Tank	1957 - 1966	123667
J	447m E	Unspecified Tank	1979	125451
H	453m N	Tanks	1976 - 1983	136663
H	454m N	Tanks	1976	108127
H	455m N	Tanks	1983	108128
H	468m N	Tanks	1983	108129
H	469m N	Tanks	1976 - 1983	130621
H	470m N	Tanks	1976 - 1983	125225
H	472m N	Tanks	1976 - 1983	143861
H	472m N	Tanks	1976 - 1983	138971
H	477m N	Tanks	1976 - 1983	132345
H	480m N	Tanks	1983	108126
J	484m E	Unspecified Tank	1957	119868
H	491m N	Tanks	1983	108125
H	491m N	Unspecified Tank	1976 - 1993	131579
H	493m N	Unspecified Tank	1984	127039

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	11

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

Features are displayed on the Past land use map on **page 11**

ID	Location	Land use	Dates present	Group ID
C	42m W	Electricity Substation	1975 - 1990	69116
A	43m NE	Electricity Substation	1988 - 1990	67694
A	45m NE	Electricity Substation	1975	80884
A	49m W	Electricity Substation	1988 - 1990	69136
A	53m N	Electricity Substation	1975	65899
A	53m N	Electricity Substation	1988 - 1990	81228
5	72m SE	Electricity Substation	1990	63180
G	111m SE	Electricity Substation	1990	63179
G	115m SE	Electricity Substation	1975 - 1990	66500
H	371m N	Electricity Substation	1975 - 1990	84270
11	481m W	Electricity Substation	1975 - 1990	69120

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

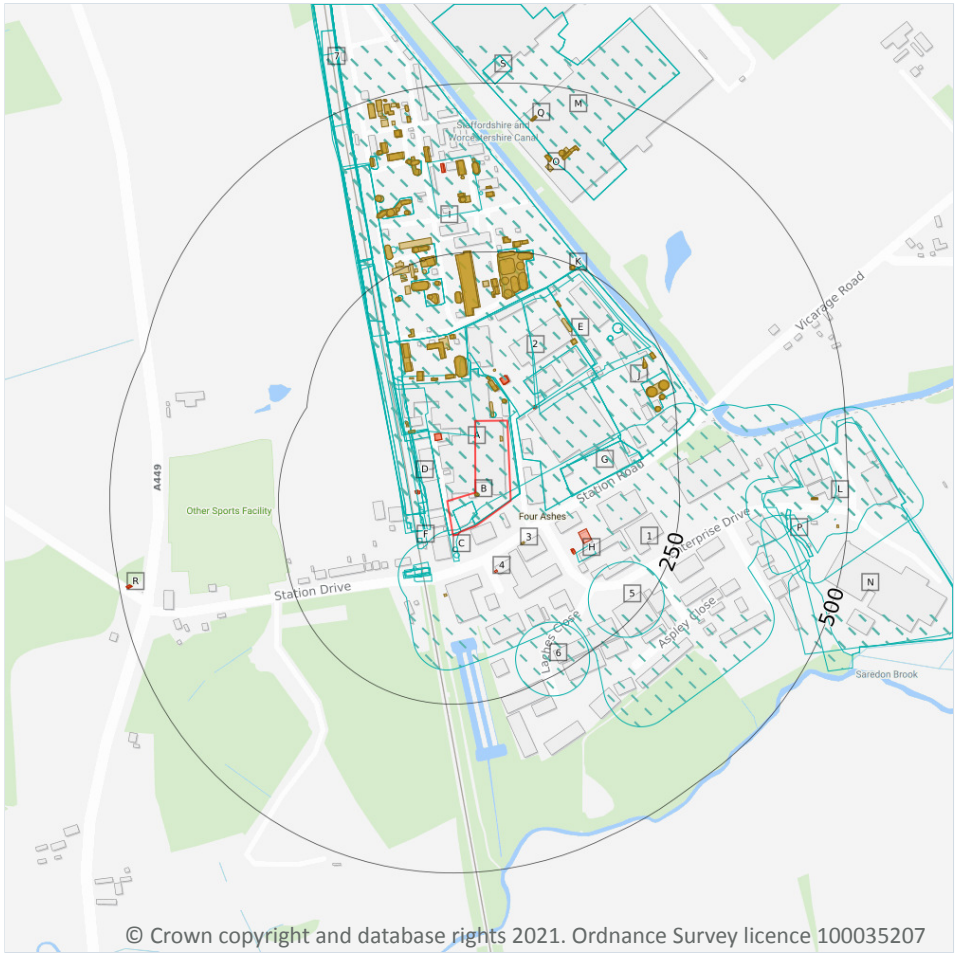
1.6 Historical military land

Records within 500m	0

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

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

2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m	114

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

Features are displayed on the Past land use - un-grouped map on **page 23**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Industrial Estate**	**1994**	**807065**
A	**On site**	**Unspecified Works**	**1967**	**985056**
A	**On site**	**Unspecified Works**	**1988**	**937415**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Chemical Works**	**1924**	**857901**
A	**On site**	**Unspecified Works**	**1978**	**985056**
A	**On site**	**Unspecified Works**	**1994**	**937415**
A	5m N	Chimney	1988	928830
A	5m N	Chimney	1978	938004
A	5m N	Chimney	1994	928830
A	14m E	Engineering Works	1988	897803
A	14m E	Engineering Works	1978	889927
C	17m S	Unspecified Tank	1924	826481
2	19m NE	Unspecified Factory	1967	821451
C	26m S	Unspecified Tank	1924	826482
A	30m W	Railway Sidings	1924	926043
A	30m W	Railway Sidings	1900	961024
A	30m W	Railway Sidings	1924	961024
A	30m W	Railway Sidings	1967	952639
A	36m W	Railway Sidings	1988	938946
A	36m W	Railway Sidings	1978	968985
A	36m W	Railway Sidings	1994	938946
A	42m W	Railway Sidings	1954	982098
E	46m NE	Chemical Works	1924	895950
F	46m W	Railway Building	1924	821114
E	49m E	Chemical Works	1924	895950
D	52m NW	Railway Building	1924	821116
F	55m SW	Railway Station	1967	945744
F	58m W	Railway Building	1924	821117
F	59m SW	Railway Station	1900	921394
F	60m SW	Railway Station	1954	915979
F	61m SW	Railway Station	1924	932629

ID	Location	Land Use	Date	Group ID
A	62m N	Unspecified Tanks	1988	948727
A	62m N	Unspecified Tanks	1978	846288
A	62m N	Unspecified Tanks	1994	948727
F	66m SW	Railway Station	1924	862796
A	68m W	Chemical Works	1924	857901
F	69m SW	Railway Station	1883	973451
G	75m E	Timber Yard	1994	943216
G	76m E	Timber Yard	1988	989315
G	76m E	Timber Yard	1978	911192
H	124m SE	Unspecified Works	1988	830759
I	135m N	Unspecified Works	1988	881361
I	135m N	Unspecified Works	1978	983660
I	135m N	Unspecified Works	1994	881361
J	138m NE	Unspecified Commercial/Industrial	1988	892578
J	138m NE	Unspecified Commercial/Industrial	1978	889888
J	138m NE	Unspecified Commercial/Industrial	1994	892578
5	169m SE	Unspecified Depot	1988	818582
6	173m SE	Unspecified Depot	1988	818581
I	180m N	Unspecified Tanks	1988	846008
I	180m N	Unspecified Tanks	1978	852528
I	180m N	Unspecified Tanks	1994	846008
I	184m N	Unspecified Tanks	1988	914268
I	184m N	Unspecified Tanks	1978	915331
I	184m N	Unspecified Tanks	1994	914268
I	184m NW	Cuttings	1883	954105
J	192m NE	Chimney	1988	884282
J	192m NE	Chimney	1978	879199
J	192m NE	Chimney	1994	884282

ID	Location	Land Use	Date	Group ID
I	200m NW	Cuttings	1988	921067
I	200m NW	Cuttings	1978	922990
I	200m NW	Cuttings	1994	988647
J	205m E	Unspecified Tanks	1988	962112
J	205m E	Unspecified Tanks	1994	962112
J	206m NE	Unspecified Tank	1988	894143
J	206m NE	Unspecified Tank	1978	932650
J	206m NE	Unspecified Tank	1994	894143
I	209m NW	Unspecified Tank	1988	900420
I	209m NW	Unspecified Tank	1978	848999
I	209m NW	Unspecified Tank	1994	900420
I	229m N	Unspecified Tanks	1988	972220
I	229m N	Unspecified Tanks	1978	909399
I	229m N	Unspecified Tanks	1994	972220
I	275m NW	Cuttings	1924	898278
I	276m NW	Unspecified Tank	1994	826244
I	284m NW	Cuttings	1954	882481
I	285m NW	Cuttings	1924	921318
I	285m NW	Cuttings	1900	898908
I	307m N	Unspecified Works	1967	898954
I	320m N	Unspecified Tanks	1988	973475
I	320m N	Unspecified Tanks	1978	934553
I	320m N	Unspecified Tanks	1994	973475
I	325m N	Unspecified Tank	1988	921865
I	325m N	Unspecified Tank	1978	930488
I	325m N	Unspecified Tank	1994	921865
I	335m N	Chimney	1978	835838
L	348m E	Unspecified Pit	1994	841685

ID	Location	Land Use	Date	Group ID
M	351m N	Chemical Works	1988	854014
M	351m N	Unspecified Works	1978	830764
M	351m N	Chemical Works	1994	854014
I	352m NW	Unspecified Tank	1988	854953
I	352m NW	Unspecified Tank	1978	930015
I	352m NW	Unspecified Tank	1994	854953
I	364m N	Unspecified Tanks	1988	906665
I	364m N	Unspecified Tanks	1978	890483
I	364m N	Unspecified Tanks	1994	906665
N	372m E	Sand and Gravel Pit	1954	810520
N	372m E	Unspecified Works	1988	922247
I	373m N	Unspecified Tanks	1988	983219
I	373m N	Unspecified Tanks	1978	878309
I	373m N	Unspecified Tanks	1994	983219
N	374m E	Unspecified Works	1978	875804
I	400m N	Unspecified Tanks	1988	878858
I	400m N	Unspecified Tanks	1978	909712
I	400m N	Unspecified Tanks	1994	878858
P	408m E	Unspecified Ground Workings	1988	885388
P	408m E	Unspecified Ground Workings	1978	973956
I	418m N	Unspecified Tank	1988	880927
I	418m N	Unspecified Tank	1978	984153
I	418m N	Unspecified Tank	1994	880927
7	479m NW	Cuttings	1967	981689
S	499m N	Unspecified Tanks	1988	964468
S	499m N	Unspecified Tanks	1978	955681
S	499m N	Unspecified Tanks	1994	964468

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**239**

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

Features are displayed on the Past land use - un-grouped map on **page 23**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Tank**	**1988**	**119880**
B	**On site**	**Unspecified Tank**	**1975**	**147043**
B	**On site**	**Unspecified Tank**	**1988**	**147043**
A	6m N	Tanks	1957	108309
A	26m N	Unspecified Tank	1975	136265
A	26m N	Unspecified Tank	1988	136265
A	26m N	Unspecified Tank	1990	136265
A	43m N	Unspecified Tank	1975	140756
A	44m N	Unspecified Tank	1988	144891
A	44m N	Unspecified Tank	1990	144891
3	60m SE	Unspecified Tank	1990	119879
A	60m N	Unspecified Tank	1988	147002
A	60m N	Unspecified Tank	1990	147002
A	68m N	Tanks	1975	132411
A	68m N	Tanks	1988	146795
A	68m N	Tanks	1990	146795
A	70m NW	Tanks	1975	124037
A	72m NW	Tanks	1988	124037
A	72m NW	Tanks	1990	124037
A	73m N	Unspecified Tank	1957	119878
A	82m NW	Tanks	1975	131672
A	83m NW	Tanks	1988	130460
A	83m NW	Tanks	1990	130460

ID	Location	Land Use	Date	Group ID
F	87m S	Unspecified Tank	1990	119881
A	89m W	Unspecified Tank	1975	119882
A	97m NW	Tanks	1975	137447
A	98m W	Unspecified Tank	1988	119883
A	98m NW	Tanks	1988	137447
A	98m NW	Tanks	1990	137447
A	99m W	Unspecified Tank	1957	119885
A	103m NW	Tanks	1975	125804
A	104m NW	Tanks	1988	147959
A	104m NW	Tanks	1990	147959
A	110m NW	Tanks	1975	108121
A	119m NW	Tanks	1975	138660
A	120m NW	Tanks	1988	132592
A	120m NW	Tanks	1990	132592
A	126m N	Unspecified Tank	1975	132893
A	126m N	Unspecified Tank	1988	132893
A	126m N	Unspecified Tank	1990	132893
A	134m NW	Tanks	1975	124554
E	148m NE	Unspecified Tank	1988	135687
E	148m NE	Unspecified Tank	1975	135687
A	154m NW	Tanks	1988	129026
A	154m NW	Tanks	1990	129026
I	156m N	Tanks	1975	126537
I	156m N	Tanks	1988	138519
I	156m N	Tanks	1990	138519
E	161m NE	Tanks	1957	108310
I	176m N	Tanks	1975	133415
I	176m N	Tanks	1988	133415

ID	Location	Land Use	Date	Group ID
I	176m N	Tanks	1990	133415
I	180m N	Tanks	1988	128962
I	180m N	Tanks	1990	128962
I	182m N	Tanks	1975	124670
I	182m N	Tanks	1975	140719
I	182m N	Tanks	1975	143259
I	183m N	Tanks	1988	135276
I	183m N	Tanks	1990	135276
I	183m N	Tanks	1988	136798
I	183m N	Tanks	1990	136798
E	185m NE	Tanks	1988	137259
E	185m NE	Tanks	1990	137259
I	188m N	Tanks	1975	142306
I	190m N	Tanks	1975	138485
I	192m N	Tanks	1975	141302
I	195m N	Tanks	1975	124048
I	199m N	Tanks	1975	128951
I	199m N	Tanks	1975	108308
I	202m N	Tanks	1975	132832
I	207m N	Tanks	1975	142380
I	208m N	Tanks	1988	143927
I	208m N	Tanks	1990	143927
I	208m N	Tanks	1975	108122
I	209m N	Unspecified Tank	1988	127475
I	209m N	Unspecified Tank	1990	127475
I	209m NW	Unspecified Tank	1975	123699
J	210m E	Unspecified Tank	1957	127076
J	210m E	Unspecified Tank	1985	127076

ID	Location	Land Use	Date	Group ID
J	210m E	Unspecified Tank	1988	127076
J	210m E	Tanks	1990	108312
I	210m NW	Unspecified Tank	1988	123699
I	210m NW	Unspecified Tank	1990	123699
I	211m NW	Tanks	1975	108116
J	211m E	Unspecified Tank	1979	142902
J	216m E	Tanks	1966	130783
J	216m E	Tanks	1957	130783
J	216m E	Tanks	1985	130783
I	216m N	Tanks	1975	140499
J	216m E	Tanks	1979	149369
J	220m E	Unspecified Tank	1957	147904
J	220m E	Unspecified Tank	1985	147904
J	220m E	Unspecified Tank	1988	147904
J	220m E	Unspecified Tank	1979	147904
I	224m N	Tanks	1975	144067
I	227m NW	Tanks	1975	108120
I	227m NW	Unspecified Tank	1988	127429
I	227m NW	Unspecified Tank	1990	127429
J	228m E	Unspecified Tank	1957	145773
J	228m E	Unspecified Tank	1985	145773
J	228m E	Unspecified Tank	1988	145773
J	229m E	Unspecified Tank	1979	145773
J	230m E	Unspecified Tank	1957	148743
J	230m E	Unspecified Tank	1985	148743
J	230m E	Unspecified Tank	1988	148743
I	231m N	Tanks	1975	108123
I	231m NW	Tanks	1975	108117

ID	Location	Land Use	Date	Group ID
J	231m E	Unspecified Tank	1979	148743
I	231m NW	Unspecified Tank	1975	119886
J	233m NE	Tanks	1957	127865
J	233m NE	Tanks	1985	127865
J	233m NE	Unspecified Tank	1988	119876
I	235m NW	Tanks	1975	108115
I	237m N	Tanks	1975	108119
I	239m N	Tanks	1975	137008
I	239m N	Tanks	1988	128973
I	239m N	Tanks	1990	128973
I	239m N	Tanks	1975	132499
I	241m NW	Tanks	1975	108114
I	241m N	Tanks	1975	144756
K	243m NE	Unspecified Tank	1988	124260
K	243m NE	Unspecified Tank	1990	124260
K	244m NE	Unspecified Tank	1975	124260
I	248m N	Tanks	1975	141093
I	253m NW	Tanks	1975	108113
I	257m N	Tanks	1988	128911
I	257m N	Tanks	1990	128911
I	257m N	Tanks	1975	127517
I	262m N	Tanks	1975	132806
I	263m N	Tanks	1975	127946
I	263m N	Tanks	1988	143741
I	263m N	Tanks	1990	143741
I	263m N	Tanks	1988	148986
I	263m N	Tanks	1990	148986
I	264m N	Tanks	1975	145376

ID	Location	Land Use	Date	Group ID
I	264m N	Tanks	1975	145204
I	270m N	Tanks	1975	108118
I	270m NW	Tanks	1988	132663
I	270m NW	Tanks	1990	132663
I	321m N	Tanks	1975	142064
I	322m N	Tanks	1988	142064
I	322m N	Tanks	1990	142064
I	324m N	Tanks	1988	136667
I	324m N	Tanks	1990	136667
I	324m N	Unspecified Tank	1975	119877
I	326m N	Tanks	1975	140734
I	327m N	Tanks	1988	127679
I	327m N	Tanks	1990	127679
I	327m N	Tanks	1975	136384
I	330m N	Tanks	1975	134537
I	331m NW	Tanks	1975	140636
I	331m N	Tanks	1975	124427
I	331m N	Tanks	1988	134549
I	331m N	Tanks	1990	134549
I	333m N	Unspecified Tank	1975	130886
I	333m N	Unspecified Tank	1988	130886
I	333m N	Unspecified Tank	1990	130886
I	336m N	Tanks	1975	129879
I	344m N	Tanks	1975	108306
I	344m N	Unspecified Tank	1988	137300
I	344m N	Unspecified Tank	1990	137300
I	353m NW	Tanks	1975	131387
I	355m NW	Tanks	1988	147697

ID	Location	Land Use	Date	Group ID
I	355m NW	Tanks	1990	147697
I	359m N	Unspecified Tank	1957	143816
I	359m N	Unspecified Tank	1975	143816
I	364m N	Tanks	1988	138101
I	364m N	Tanks	1990	138101
I	365m N	Tanks	1975	144116
I	365m N	Tanks	1975	122461
I	366m N	Tanks	1988	122461
I	366m N	Tanks	1990	122461
I	373m N	Unspecified Tank	1975	119887
I	374m N	Tanks	1988	133054
I	374m N	Tanks	1990	133054
O	374m N	Tanks	1975	108307
I	384m N	Tanks	1975	108305
O	388m N	Tanks	1975	127702
O	389m N	Tanks	1988	127702
O	389m N	Tanks	1990	127702
I	389m N	Tanks	1975	130564
I	389m N	Unspecified Tank	1975	119888
I	390m N	Tanks	1988	130564
I	390m N	Tanks	1990	130564
I	393m N	Unspecified Tank	1975	119889
O	395m N	Tanks	1988	140135
O	395m N	Tanks	1990	140135
O	396m N	Tanks	1975	133293
O	399m N	Tanks	1975	144402
O	400m N	Unspecified Tank	1988	134583
O	400m N	Unspecified Tank	1990	134583

ID	Location	Land Use	Date	Group ID
I	403m N	Tanks	1988	139495
I	403m N	Tanks	1990	139495
I	403m N	Tanks	1975	136673
I	405m N	Tanks	1975	147012
I	406m N	Tanks	1988	147012
I	406m N	Tanks	1990	147012
O	406m N	Tanks	1975	133293
O	413m N	Tanks	1975	129130
I	418m N	Tanks	1988	131696
I	418m N	Tanks	1990	131696
I	418m N	Tanks	1975	128606
I	419m N	Tanks	1975	124542
I	435m N	Tanks	1983	123214
I	435m N	Tanks	1976	127798
I	435m N	Unspecified Tank	1993	119921
I	437m N	Tanks	1984	131145
Q	445m N	Unspecified Tank	1983	124494
L	445m E	Unspecified Tank	1957	129273
L	445m E	Unspecified Tank	1985	129273
L	445m E	Unspecified Tank	1988	129273
L	445m E	Unspecified Tank	1990	129273
Q	445m N	Unspecified Tank	1976	124494
Q	445m N	Unspecified Tank	1984	124494
Q	445m N	Unspecified Tank	1993	124494
L	447m E	Unspecified Tank	1957	123667
L	447m E	Unspecified Tank	1966	123667
L	447m E	Unspecified Tank	1979	125451
I	453m N	Tanks	1983	136663

ID	Location	Land Use	Date	Group ID
I	453m N	Tanks	1976	136663
I	454m N	Tanks	1976	108127
I	455m N	Tanks	1983	108128
I	468m N	Tanks	1983	108129
I	469m N	Tanks	1983	130621
I	469m N	Tanks	1976	130621
I	470m N	Tanks	1983	125225
I	470m N	Tanks	1976	125225
I	472m N	Tanks	1976	143861
I	472m N	Tanks	1983	138971
I	473m N	Tanks	1976	138971
I	477m N	Tanks	1983	132345
I	478m N	Tanks	1976	132345
I	479m N	Tanks	1983	143861
I	480m N	Tanks	1983	108126
L	484m E	Unspecified Tank	1957	119868
I	491m N	Tanks	1983	108125
I	491m N	Unspecified Tank	1993	131579
I	492m N	Unspecified Tank	1976	131579
I	493m N	Unspecified Tank	1984	127039

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**22**

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

Features are displayed on the Past land use - un-grouped map on **page 23**

ID	Location	Land Use	Date	Group ID
D	42m W	Electricity Substation	1975	69116
A	43m NE	Electricity Substation	1988	67694
A	43m NE	Electricity Substation	1990	67694
A	45m NE	Electricity Substation	1975	80884
D	45m W	Electricity Substation	1988	69116
D	45m W	Electricity Substation	1990	69116
A	49m W	Electricity Substation	1988	69136
A	49m W	Electricity Substation	1990	69136
A	53m N	Electricity Substation	1975	65899
A	53m N	Electricity Substation	1988	81228
A	53m N	Electricity Substation	1990	81228
4	72m SE	Electricity Substation	1990	63180
H	111m SE	Electricity Substation	1990	63179
H	115m SE	Electricity Substation	1988	66500
H	115m SE	Electricity Substation	1990	66500
H	117m SE	Electricity Substation	1975	66500
I	371m N	Electricity Substation	1975	84270
I	371m N	Electricity Substation	1988	84270
I	371m N	Electricity Substation	1990	84270
R	481m W	Electricity Substation	1975	69120
R	482m W	Electricity Substation	1988	69120
R	482m W	Electricity Substation	1990	69120

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	**0**

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

This data is sourced from Ordnance Survey / Groundsure.

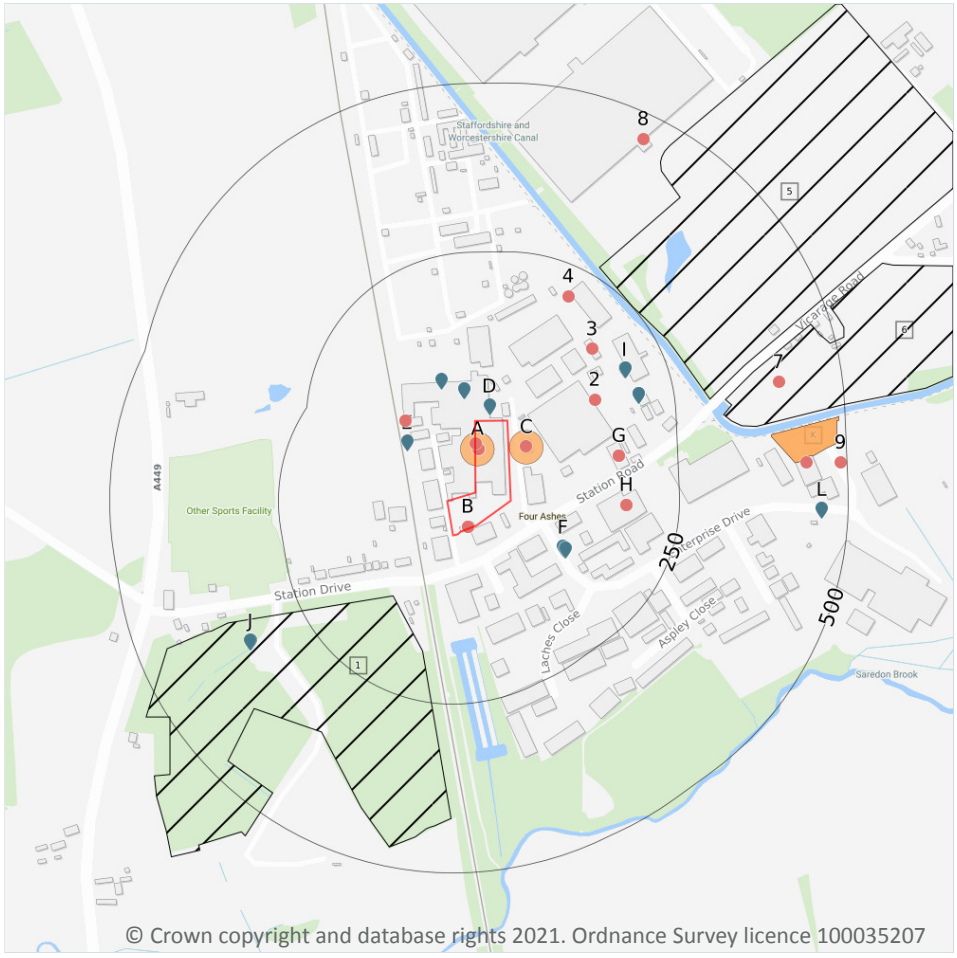
2.5 Historical garages

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

Historical landfill (EA/NRW)

Historical waste sites

Licensed waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	3

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

Features are displayed on the Waste and landfill map on **page 39**

ID	Location	Details		
1	126m SW	Site Address: Barr Farm, Barr Farm, Standeford, Four Ashes, Nearr Wolverhampton, Staffordshire Licence Holder Address: Hilton Lane, Shareshill, Near Wolverhampton, Staffordshire	Waste Licence: Yes Site Reference: 6/A/91/0407, 9999/9720 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: BD1/L/ADA001 Licence Issue: 21/12/1991 Licence Surrender: -	Operator: - Licence Holder: A Adams and Sons Transport (Shareshill) Limited First Recorded 01/07/1991 Last Recorded: 01/07/1996
5	250m NE	Site Address: Four Ashes Quarry, Land North Of Vicarage Road, Four Ashes, Staffordshire Licence Holder Address: -	Waste Licence: Yes Site Reference: 6/A/82/0216, SOUTH STAFFORDSHIRE 42, R18, 9999/9731 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 05/07/1982 Licence Surrender: 30/11/1990	Operator: - Licence Holder: Redland Aggregates Limited First Recorded 05/07/1982 Last Recorded: 31/12/1985
6	320m E	Site Address: Four Ashes Quarry, Land North Of Vicarage Road, Four Ashes, Staffordshire Licence Holder Address: -	Waste Licence: Yes Site Reference: 6/A/82/0216, SOUTH STAFFORDSHIRE 42, R18, 9999/9731 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 05/07/1982 Licence Surrender: 30/11/1990	Operator: - Licence Holder: Redland Aggregates Limited First Recorded 05/07/1982 Last Recorded: 31/12/1985

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

3.5 Historical waste sites

Records within 500m	**4**

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

Features are displayed on the Waste and landfill map on **page 39**

ID	Location	Address	Further Details	Date
A	**On site**	**Site Address: Sprint Industrial Estate,5b, Station Road, Four Ashes, WOLVERHAMPTON, West Midlands, WV10 7DB**	**Type of Site: Food Waste Depackaging Planning application reference: 10/00578/COM Description: Scheme comprises change of use for the sorting and depackaging of food waste. An application (ref: 10/00578/COM) for detailed planning permission was submitted to South Staffordshire D.C. A detailed planning application has been submitted. Data source: Historic Planning Application Data Type: Point**	**24/10/2011**
C	1m E	Site Address: Unit 5, Sprintoval 2005 Ltd, Station Road, Four Ashes Industrial Estate, Wolverhampton, West Midlands, WV10 7DB	Type of Site: Recycling Facility (Conversion) Planning application reference: 14/00983/COM Description: Scheme comprises change of use of industrial units to accommodate a facility for the thermal recycling of asbestos wastes. Data source: Historic Planning Application Data Type: Point	-
K	389m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1985
K	389m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988

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

3.6 Licensed waste sites

Records within 500m	**29**

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

Features are displayed on the Waste and landfill map on **page 39**

ID	Location	Details		
D	20m N	Site Name: Aqua Force Special Waste Ltd Site Address: Sprint Ind Est, Unit 4, Station Road, Four Ashes, Wolverhampton, Staffs, WV10 7DB Correspondence Address: Sprint Ind Est, Unit 9, Station Road, Four Ashes, Wolverhampton, Staffs, WV10 7DB	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AQU003 EPR reference: - Operator: Aqua Force Special Waste Ltd Waste Management licence No: 40075 Annual Tonnage: 4999	Issue Date: 30/07/2002 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	48m N	Site Name: Four Ashes Waste Food Facility Site Address: Unit 5b, Sprint Industrial Estate, Four Ashes, Wolverhampton, West Midlands, WV10 7DA Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LOW051 EPR reference: EA/EPR/FP3094EG/V004 Operator: Lower Reule Bioenergy Ltd Waste Management licence No: 101244 Annual Tonnage: 75000	Issue Date: 15/02/2010 Effective Date: - Modified: 22/11/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	48m N	Site Name: Lower Ruele Bio - Energy Ltd - Waste Food Facility Site Address: Units 5a & 5b, Sprint Industrial Estate, Four Ashes, Wolverhampton, West Midlands, WV10 7DA Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LOW051 EPR reference: EA/EPR/FP3094EG/S006 Operator: Lower Reule Bio - Energy Ltd Waste Management licence No: 101244 Annual Tonnage: 0	Issue Date: 15/02/2010 Effective Date: - Modified: 22/11/2010 Surrendered Date: Dec 12 2019 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered

ID	Location	Details		
D	48m N	Site Name: Lower Ruele Bio - Energy Ltd - Waste Food Facility Site Address: Units 5a & 5b, Sprint Industrial Estate, Four Ashes, Wolverhampton, West Midlands, WV10 7DA Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LOW051 EPR reference: EA/EPR/FP3094EG/S006 Operator: Lower Reule Bio - Energy Ltd Waste Management licence No: 101244 Annual Tonnage: 0	Issue Date: 15/02/2010 Effective Date: - Modified: 22/11/2010 Surrendered Date: Dec 12 2019 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
D	48m N	Site Name: Lower Ruele Bio - Energy Ltd - Waste Food Facility Site Address: Units 5a & 5b, Sprint Industrial Estate, Four Ashes, Wolverhampton, West Midlands, WV10 7DA Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LOW051 EPR reference: EA/EPR/FP3094EG/V004 Operator: Lower Reule Bio - Energy Ltd Waste Management licence No: 101244 Annual Tonnage: 75000	Issue Date: 15/02/2010 Effective Date: - Modified: 22/11/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	77m NW	Site Name: Aqua Force Special Waste Site Address: Unit 4 Sprint Ind Est, Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DB Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AQU003 EPR reference: EA/EPR/XP3992FV/V009 Operator: Aqua Force Special Waste Limited Waste Management licence No: 40075 Annual Tonnage: 24999	Issue Date: 30/07/2002 Effective Date: - Modified: 19/07/2017 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
E	101m W	Site Name: Four Ashes Renault Specialists Ltd Site Address: Units S1 & S2, Station Drive, Four Ashes, Wolverhampton, West Midlands, WV10 7BU Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FOU022 EPR reference: EA/EPR/QP3297EM/V003 Operator: Four Ashes Renault Specialists Ltd Waste Management licence No: 102166 Annual Tonnage: 4999	Issue Date: 19/11/2010 Effective Date: - Modified: 19/09/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
F	103m SE	Site Name: Mr J J Lavan Site Address: Sprint Industrial Estate, Unit 11a, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DA Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LAV001 EPR reference: EA/EPR/PP3697FC/S002 Operator: Lavan J J Waste Management licence No: 42606 Annual Tonnage: 75000	Issue Date: 14/07/1995 Effective Date: - Modified: - Surrendered Date: Mar 31 2000 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
F	103m SE	Site Name: Mr J J Lavan Site Address: Sprint Industrial Estate, Unit 11a, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DA Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LAV001 EPR reference: EA/EPR/PP3697FC/S002 Operator: Lavan J J Waste Management licence No: 42606 Annual Tonnage: 75000	Issue Date: 14/07/1995 Effective Date: - Modified: - Surrendered Date: Mar 31 2000 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
F	108m SE	Site Name: Mr B Kelbie Site Address: Paddy's Close, Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7BU Correspondence Address: 107, Pope Road, Underhill Estate, Wolverhampton, West Midlands, WV10 8LU	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: KEL001 EPR reference: - Operator: Kelbie Mr B Waste Management licence No: 41820 Annual Tonnage: 1640	Issue Date: 08/11/1988 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
F	109m SE	Site Name: Mr B Kelbie Site Address: Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7BU Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KEL001 EPR reference: EA/EPR/HP3796FM/A001 Operator: Kelbie Mr B Waste Management licence No: 41820 Annual Tonnage: 1640	Issue Date: 08/11/1988 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
I	188m NE	Site Name: Leigh Environmental Ltd - Rubber Shredding Unit Site Address: 1, Station Road, Four Ashes, Near Wolverhampton, Staffordshire, WV10 7DG Correspondence Address: Group Finance, 1, Station Road, Four Ashes, Near Wolverhampton, Staffordshire, WV10 7DG	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LEI001 EPR reference: - Operator: Leigh Environmental Limited Waste Management licence No: 42150 Annual Tonnage: 24999	Issue Date: 29/07/1991 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
I	188m NE	Site Name: Leigh Environmental Ltd - Rubber Shredding Unit Site Address: 1, Station Road, Four Ashes, Wolverhampton, Staffs, WV10 7DG Correspondence Address: Group Finance, 1, Station Road, Four Ashes, Wolverhampton, Staffs, WV10 7DG	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LEI001 EPR reference: - Operator: Leigh Environmental Ltd Waste Management licence No: 42150 Annual Tonnage: 24999	Issue Date: 29/07/1991 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
I	189m NE	Site Name: Four Ashes M R F Site Address: 1, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DG Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: VEO143 EPR reference: EA/EPR/NP3596EU/V002 Operator: Veolia E S Birmingham Ltd Waste Management licence No: 42150 Annual Tonnage: 74999	Issue Date: 29/07/1991 Effective Date: 24/11/2010 Modified: 11/01/2019 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
I	189m NE	Site Name: Leigh Environmental Southern Limited Site Address: 1, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DG Correspondence Address: Veolia House, 154a, Pentonville Road, London, N1 9PE	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LEI001 EPR reference: - Operator: Leigh Environmental Southern Limited Waste Management licence No: 42150 Annual Tonnage: 0	Issue Date: 7/29/1991 Effective Date: - Modified: 5/8/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
I	189m NE	Site Name: Leigh Environmental Ltd Site Address: 1, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DG Correspondence Address: Veolia House, 154a, Pentonville Road, London, N1 9PE	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LEI001 EPR reference: - Operator: Onyx Leigh Environmental Waste Management licence No: 42150 Annual Tonnage: 0	Issue Date: 29/07/1991 Effective Date: - Modified: 08/05/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
I	189m NE	Site Name: Leigh Environmental Southern Limited Site Address: 1, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DG Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LEI001 EPR reference: VP3096FM/V002 Operator: Leigh Environmental (Southern) Ltd Waste Management licence No: 42150 Annual Tonnage: 0	Issue Date: 29/07/1991 Effective Date: - Modified: 08/05/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
I	197m E	Site Name: Eurocare Environmental Services Ltd Site Address: 1, Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DG Correspondence Address: South Ward Park Court, 4, Ward Park South Industrial Estate, Cumbernauld, Glasgow, G67 3EH	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: EUR005 EPR reference: - Operator: Eurocare Environmental Services Limited Waste Management licence No: 40073 Annual Tonnage: 24999	Issue Date: 27/03/2002 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
I	197m E	Site Name: Onyx Clinical Ltd Site Address: 1, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DG Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ONY001 EPR reference: EA/EPR/SP3392FQ/S002 Operator: Onyx Clinical Ltd Waste Management licence No: 40023 Annual Tonnage: 1807	Issue Date: 15/12/2000 Effective Date: - Modified: - Surrendered Date: Jul 1 2002 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
I	197m E	Site Name: Four Ashes Clinical Waste Treatnment Plant & Transfer Station Site Address: 1, Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DG Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STN001 EPR reference: EA/EPR/JP3733UT/V005 Operator: S R C L Limited Waste Management licence No: 40073 Annual Tonnage: 24999	Issue Date: 27/03/2002 Effective Date: 12/02/2004 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred

ID	Location	Details		
I	197m E	Site Name: Sterile Technologies Newcastle Ltd Site Address: 1, Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DG Correspondence Address: 1st Floor, Lindfield House, Stuart Road, Gravesend, Kent, DA11 0BZ	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STN001 EPR reference: - Operator: Sterile Technologies Newcastle Ltd Waste Management licence No: 40073 Annual Tonnage: 24999	Issue Date: 27/03/2002 Effective Date: 12/02/2004 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
I	197m E	Site Name: Eurocare Environmental Services Ltd Site Address: 1, Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DG Correspondence Address: South Ward Park Court, 4, Ward Park South, Cumbernauld, Glasgow, G67 3EH	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: EUR005 EPR reference: - Operator: Eurocare Environmental Services Ltd Waste Management licence No: 40073 Annual Tonnage: 24999	Issue Date: 27/03/2002 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
I	197m E	Site Name: Sterile Technologies (Newcastle) Ltd Site Address: 1, Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DG Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STN001 EPR reference: EA/EPR/XP3092FJ/T002 Operator: Polkacrest Limited Waste Management licence No: 40073 Annual Tonnage: 24999	Issue Date: 27/03/2002 Effective Date: 12/02/2004 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
I	197m E	Site Name: Sterile Technologies (Newcastle) Ltd Site Address: 1, Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DG Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STN001 EPR reference: EA/EPR/XP3092FJ/T002 Operator: Sterile Technologies (Newcastle) Ltd Waste Management licence No: 40073 Annual Tonnage: 24999	Issue Date: 27/03/2002 Effective Date: 12/02/2004 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred

ID	Location	Details		
J	339m SW	Site Name: Adams & Sons - Barr Farm Landfill Site Site Address: Barr Farm Landfill Site, Stafford Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7BN Correspondence Address: -	Type of Site: Landfill taking other wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ADA001 EPR reference: EA/EPR/RP3596FH/A001 Operator: A Adams & Sons Transport Shareshill Ltd Waste Management licence No: 42192 Annual Tonnage: 249600	Issue Date: 20/12/1991 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
J	339m SW	Site Name: Adams & Sons - Barr Farm Landfill Site Site Address: Barr Farm Landfill Site, Stafford Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7BN Correspondence Address: -	Type of Site: Landfill taking other wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ADA001 EPR reference: EA/EPR/RP3596FH/A001 Operator: A Adams & Sons Transport Shareshill Ltd Waste Management licence No: 42192 Annual Tonnage: 249600	Issue Date: 20/12/1991 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
J	340m SW	Site Name: Adams & Sons - Barr Farm Landfill Site Site Address: Standeford, Four Ashes, Nr Wolverhampton, Staffordshire Correspondence Address: Cannock Industrial Centre, Brigtown, Cannock, Staffordshire, WS11 3LN	Type of Site: Landfill taking other wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ADA001 EPR reference: - Operator: A Adams & Sons Transport (shareshill) Ltd Waste Management licence No: 42192 Annual Tonnage: 249600	Issue Date: 20/12/1991 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
L	460m E	Site Name: Aquaforce Special Waste Ltd Site Address: The Dell, Enterprise Drive, Four Ashes, Wolverhmpton, Staffs, WV10 7DB Correspondence Address: Unit 9 Spring Industrial Estate, Station Road, Four Ashes, Wolverhampton, Staffs, WV10 7DB	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AQU004 EPR reference: - Operator: Aquaforce Special Waste Ltd Waste Management licence No: 40090 Annual Tonnage: 4999	Issue Date: 19/03/2003 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
L	460m E	Site Name: Aqua Force - Fridge Storage Area Site Address: Unit 4a Sprint Ind Est, Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DB Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AQU004 EPR reference: EA/EPR/GP3592FE/A001 Operator: Aqua Force Special Waste Limited Waste Management licence No: 40090 Annual Tonnage: 4999	Issue Date: 19/03/2003 Effective Date: - Modified: 04/12/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

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

3.7 Waste exemptions

Records within 500m **21**

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

Features are displayed on the Waste and landfill map on **page 39**

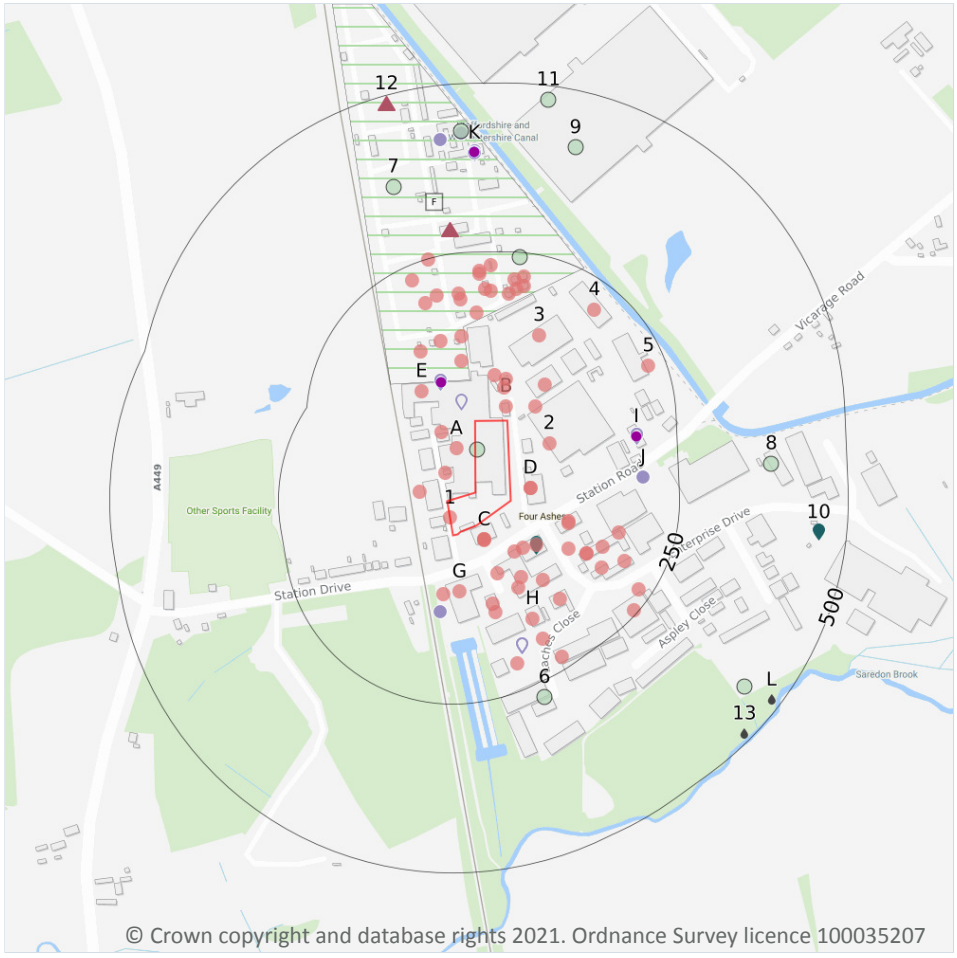
ID	Location	Site	Reference	Category	Sub-Category	Description
A	**On site**	**Unit 8, Sprint ind est, Station road, Wolverhampton, WV10 7DA**	**WEX073530**	**Storing waste exemption**	**Not on a farm**	**Storage of waste in a secure place**
A	**On site**	**Unit 8, Sprint ind est, Station road, Wolverhampton, WV10 7DA**	**WEX073530**	**Treating waste exemption**	**Not on a farm**	**Recovery of scrap metal**

ID	Location	Site	Reference	Category	Sub-Category	Description
B	**On site**	**STATION ROAD, FOUR ASHES INDUSTRIAL ESTATE, FOUR ASHES, WOLVERHAMPTON, WV10 7DB**	**WEX108077**	**Storing waste exemption**	**Not on a farm**	**Storage of waste in a secure place**
B	**On site**	**STATION ROAD, FOUR ASHES INDUSTRIAL ESTATE, FOUR ASHES, WOLVERHAMPTON, WV10 7DB**	**WEX108077**	**Treating waste exemption**	**Not on a farm**	**Recovery of scrap metal**
B	**On site**	**STATION ROAD, FOUR ASHES INDUSTRIAL ESTATE, FOUR ASHES, WOLVERHAMPTON, WV10 7DB**	**WEX108077**	**Using waste exemption**	**Not on a farm**	**Use of waste to manufacture finished goods**
A	0m W	Unit 8, Sprint Industrial Estate Station Road Wolverhampton WV10 7DA	EPR/RF0334NU/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
C	25m E	UNIT 4A SPRINT INDUSTRIAL ESTATE WOLVERHAMPTON WEST MIDLANDS WV10 7DB	EPR/YH0779CL/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
E	103m W	unit 8 sprint ind est station rd wolverhampton WV10 7DA	EPR/CF0239VX/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
E	103m W	unit 8 sprint ind est station rd wolverhampton WV10 7DA	EPR/CF0239VX/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
2	133m E	-	WEX237438	Treating waste exemption	Not on a farm	Treatment of waste food
G	163m E	SRCL Limited, 1 Station Road, Wolverhampton, WV10 7DG	WEX163359	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
G	163m E	SRCL Limited, 1 Station Road, Wolverhampton, WV10 7DG	WEX163359	Storing waste exemption	Not on a Farm	Storage of waste in secure containers
G	163m E	SRCL Limited, 1 Station Road, Wolverhampton, WV10 7DG	WEX163359	Disposing of waste exemption	Not on a Farm	Disposal by incineration
3	164m NE	-	WEX220196	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
H	171m E	-	WEX259802	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	171m E	-	WEX259802	Storing waste exemption	Not on a farm	Storage of waste in secure containers
4	205m NE	EVER READY COMPLEX STATION ROAD FOUR ASHES INDUSTRIA WOLVERHAMPTON WEST MIDLANDS WV10 7DB	EPR/ME5548GT/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
7	405m E	Naish, Pear Tree Farm - FA01	WEX268994	Storing waste exemption	On a farm	Storage of sludge
K	439m E	4 The Dell Enterprise Drive WOLVERHAMPTON WV10 7DF	EPR/BE5645SX/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
8	463m NE	Four Ashes Quarry WOLVERHAMPTON WV10 7BT	EPR/GE5742UT/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
9	490m E	VOTEC HOUSE, HAMBRIDGE LANE, NEWBURY, BERKSHIRE, RG14 5TN	WEX095840	Storing waste exemption	Not on a farm	Storage of waste in a secure place

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

4 Current industrial land use



Site Outline

Search buffers in metres (m)

- Recent industrial land uses
- Control of Major Accident Hazards
- Hazardous substance storage/usage
- Historical licensed industrial activities
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m	69

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 53**

ID	Location	Company	Address	Activity	Category
1	0m W	Mast (Telecommunication)	Staffordshire, WV10	Telecommunications Features	Infrastructure and Facilities
B	22m N	Aquaforce Recycling	Unit 3a-4a Sprint Industrial Estate, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DB	Waste Storage, Processing and Disposal	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
C	24m SE	Boundary Services Ltd	Unit 8, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DB	Fences, Gates and Railings	Industrial Products
C	24m SE	Fence Tech Midlands Ltd	Unit 7, Station Road, Four Ashes Industrial Estate, Four Ashes, Wolverhampton, Staffordshire, WV10 7DB	Fences, Gates and Railings	Industrial Products
C	25m SE	Plant & Vehicle Hire & Sales	Unit 7, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DB	Construction and Tool Hire	Hire Services
A	28m W	Industrial Estate	Staffordshire, WV10	Business Parks and Industrial Estates	Industrial Features
D	30m E	Four Ashes M O T Centre	Unit 6, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DB	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	30m E	O S F Ltd	Unit 6, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DB	Fences, Gates and Railings	Industrial Products
A	41m N	South Staffs Carbide Tools Ltd	Unit 14 Sprint Industrial Estate, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DA	Tools Including Machine Shops	Industrial Products
A	43m W	Electricity Sub Station	Staffordshire, WV10	Electrical Features	Infrastructure and Facilities
B	46m NE	Electricity Sub Station	Staffordshire, WV10	Electrical Features	Infrastructure and Facilities
B	49m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
A	50m W	Electricity Sub Station	Staffordshire, WV10	Electrical Features	Infrastructure and Facilities
2	61m E	Industrial Estate	Staffordshire, WV10	Business Parks and Industrial Estates	Industrial Features
B	62m N	Electricity Sub Station	Staffordshire, WV10	Electrical Features	Infrastructure and Facilities
C	64m SE	Spillard	Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DB	Special Purpose Machinery and Equipment	Industrial Products
C	67m SE	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
B	68m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
C	75m SE	A C T	Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DB	General Construction Supplies	Industrial Products

ID	Location	Company	Address	Activity	Category
B	77m NE	G N R Metals Ltd	Unit 9 Sprint Industrial Estate, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DA	Scrap Metal Merchants	Recycling Services
C	77m SE	Electricity Sub Station	Staffordshire, WV10	Electrical Features	Infrastructure and Facilities
G	84m S	Morris Site Machinery	Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DB	Cutting, Drilling and Welding Services	Construction Services
G	88m S	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
C	91m E	P C P Gratings Ltd	Enterprise Drive, Four Ashes, Wolverhampton, Staffordshire, WV10 7DF	Metalworkers Including Blacksmiths	Construction Services
E	91m NW	Countrywide Driveline	Unit 8 Sprint Industrial Estate, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DB	Vehicles	Industrial Products
E	92m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
C	92m E	Coventya	Enterprise Drive, Four Ashes, Wolverhampton, Staffordshire, WV10 7DF	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
C	102m SE	The Caravan Service Centre	Unit 8, Deepmore Close, Four Ashes, Wolverhampton, Staffordshire, WV10 7ED	Sports and Leisure Equipment Repair	Repair and Servicing
C	111m SE	Enviro Engineering Midlands Ltd	Unit 7 Modular Court, Enterprise Drive, Four Ashes, Wolverhampton, Staffordshire, WV10 7DF	Hydraulic Engineers	Engineering Services
C	111m SE	Electricity Sub Station	Staffordshire, WV10	Electrical Features	Infrastructure and Facilities
C	114m SE	Nasa Plant Repair Services Ltd	Deepmore Close, Four Ashes, Wolverhampton, Staffordshire, WV10 7ED	Industrial Repairs and Servicing	Repair and Servicing
C	122m SE	Brunch Bite Ltd	Unit 4 Modular Court, Enterprise Drive, Four Ashes, Wolverhampton, Staffordshire, WV10 7DF	Catering and Non Specific Food Products	Foodstuffs
E	127m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
C	128m SE	Industrial Estate	Staffordshire, WV10	Business Parks and Industrial Estates	Industrial Features

ID	Location	Company	Address	Activity	Category
E	129m NW	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
E	131m NW	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
3	135m N	United Bright Bar Ltd	Unit 4, Station Road, Four Ashes, Wolverhampton, Staffordshire, WV10 7DB	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
C	136m SE	Rolls Freight	Henry House, Enterprise Drive, Four Ashes, Wolverhampton, Staffordshire, WV10 7DF	Distribution and Haulage	Transport, Storage and Delivery
C	136m SE	E D S Worldwide	Henry House, Enterprise Drive, Four Ashes, Wolverhampton, Staffordshire, WV10 7DF	Distribution and Haulage	Transport, Storage and Delivery
C	152m SE	Power Electrics Ltd	Unit 7 Enterprise Drive, Four Ashes, Wolverhampton, Staffordshire, WV10 7DF	Electrical Equipment Repair and Servicing	Repair and Servicing
C	160m SE	Liquide	Enterprise Drive, Four Ashes, Wolverhampton, Staffordshire, WV10 7DF	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
H	161m SE	M D S	Unit 31 Calibre Industrial Park, Laches Close, Four Ashes, Wolverhampton, Staffordshire, WV10 7DZ	Distribution and Haulage	Transport, Storage and Delivery
E	161m N	Chimney	Staffordshire, WV10	Chimneys	Industrial Features
C	166m E	Advanced Flooring Solutions Ltd	Unit 4 Brunel Court, Enterprise Drive, Four Ashes, Wolverhampton, Staffordshire, WV10 7DF	Construction Completion Services	Construction Services
C	167m SE	H C Two 2 Ltd	Unit 3 Brunel Court, Enterprise Drive, Four Ashes, Wolverhampton, Staffordshire, WV10 7DF	Rubber, Silicones and Plastics	Industrial Products
E	182m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
E	189m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
E	190m NW	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
C	190m SE	West Midland American Vehicles Ltd	Unit 1 Brunel Court, Enterprise Drive, Four Ashes, Wolverhampton, Staffordshire, WV10 7DF	Vehicle Parts and Accessories	Motoring

ID	Location	Company	Address	Activity	Category
E	191m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
E	192m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
E	194m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
H	194m SE	Electricity Sub Station	Staffordshire, WV10	Electrical Features	Infrastructure and Facilities
E	196m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
E	196m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
E	201m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
E	209m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
4	209m NE	Works	Staffordshire, WV10	Unspecified Works Or Factories	Industrial Features
H	211m SE	Calibre Industrial Park	Staffordshire, WV10	Business Parks and Industrial Estates	Industrial Features
E	215m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
E	218m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
E	222m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
5	224m E	Electricity Sub Station	Staffordshire, WV10	Electrical Features	Infrastructure and Facilities
E	228m NW	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features
C	230m SE	Electricity Sub Station	Staffordshire, WV10	Electrical Features	Infrastructure and Facilities
E	231m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features

ID	Location	Company	Address	Activity	Category
H	231m SE	Rosch Engineering	Unit 1-2 Calibre Industrial Park, Laches Close, Four Ashes, Wolverhampton, Staffordshire, WV10 7DZ	Precision Engineers	Engineering Services
C	244m SE	Lion F P G	Enterprise Drive, Four Ashes, Wolverhampton, Staffordshire, WV10 7DF	Published Goods	Industrial Products
E	249m N	Tank	Staffordshire, WV10	Tanks (Generic)	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	1

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

Features are displayed on the Current industrial land use map on **page 53**

ID	Location	Company	Address	Operational status	Tier
F	61m N	SI Group-UK Limited	SI Group-UK Limited, Wolverhampton, Gravelly Way, Four Ashes, Wolverhampton, Staffordshire, WV10 7BT	Current COMAH Site	COMAH Upper Tier Operator

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	2

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

Features are displayed on the Current industrial land use map on **page 53**

ID	Location	Details	
F	285m N	Application reference number: 11/01022/HAZ Application status: Approved Application date: 16/12/2011 Address: S I Group UK Ltd, Gravelly Way, Four Ashes, Wolverhampton, Staffordshire, England, WV10 7BT	Details: Hazardous substance consent Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

ID	Location	Details	
12	488m N	Application reference number: 05/00956/HAZ Application status: Historical Consent Application date: 19/09/2005 Address: Schenectady Europe Ltd, Gravelly Way, Four Ashes, Wolverhampton, South Staffordshire, WV10 7BW	Details: Storage Of Nonene And Paranonylphenol Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	**85**

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

Features are displayed on the Current industrial land use map on **page 53**

ID	Location	Details	
G	114m S	Operator: Epr Four Ashes Ltd Address: Laches Close, Enterprises Drive, Four Ashes Industrial Estate, Brewood, Stafford Process: Combustion Processes Permit Number: BC2319	Original Permit Number: IPCAPP Date Approved: 18-4-2000 Effective Date: 1-5-2000 Status: Revoked - Now Ippc
J	197m E	Operator: Onyx Leigh Environmental Ltd Address: Clinical Waste Division, 1 Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DG Process: Incineration Permit Number: AG8543	Original Permit Number: IPCAIRAPP Date Approved: 24-5-1993 Effective Date: 24-5-1993 Status: Superseded By Variation
J	197m E	Operator: Onyx Leigh Environmental Ltd Address: Clinical Waste Division, 1 Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DG Process: Incineration Permit Number: AV5152	Original Permit Number: IPCMINVAR Date Approved: 17-5-1996 Effective Date: 17-5-1996 Status: Superseded By Variation
J	197m E	Operator: Onyx Leigh Environmental Ltd Address: Clinical Waste Division, 1 Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DG Process: Incineration Permit Number: AX5951	Original Permit Number: IPCMINVAR Date Approved: 23-12-1996 Effective Date: 23-12-1996 Status: Superseded By Variation
J	197m E	Operator: Onyx Leigh Environmental Ltd Address: Clinical Waste Division, 1 Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DG Process: Incineration Permit Number: BA0501	Original Permit Number: IPCMINVAR Date Approved: 26-11-1997 Effective Date: 26-11-1997 Status: Superseded By Variation

ID	Location	Details	
J	197m E	Operator: Onyx Leigh Environmental Ltd Address: Clinical Waste Division, 1 Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DG Process: Incineration Permit Number: BA7239	Original Permit Number: IPCMINVAR Date Approved: 24-4-1998 Effective Date: 27-4-1998 Status: Superseded By Variation
J	197m E	Operator: Onyx Leigh Environmental Ltd Address: Clinical Waste Division, 1 Station Road, Four Ashes, Wolverhampton, West Midlands, WV10 7DG Process: Incineration Permit Number: BE3383	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked
K	397m N	Operator: Schenectady Europe Ltd Address: Four Ashes, Wolverhampton, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: BS3344	Original Permit Number: IPCAPP Date Approved: 10-1-2003 Effective Date: 10-1-2003 Status: Revoked - Now Ippc
K	420m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: AK0693	Original Permit Number: IPCAPP Date Approved: 11-2-1994 Effective Date: 11-2-1994 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Petrochemical Processes Permit Number: AK1185	Original Permit Number: IPCAIRAPP Date Approved: 28-1-1994 Effective Date: 28-1-1994 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: AM3189	Original Permit Number: IPCAPP Date Approved: 19-4-1994 Effective Date: 26-4-1994 Status: Revoked
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Petrochemical Processes Permit Number: AP2375	Original Permit Number: IPCMINVAR Date Approved: 30-11-1994 Effective Date: 30-11-1994 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Petrochemical Processes Permit Number: AP9817	Original Permit Number: IPCMINVAR Date Approved: 7-11-1995 Effective Date: 8-11-1995 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: AQ1480	Original Permit Number: IPCMINVAR Date Approved: 15-11-1995 Effective Date: 15-11-1995 Status: Superseded By Variation

ID	Location	Details	
K	420m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: AX1484	Original Permit Number: IPCMINVAR Date Approved: 27-5-1998 Effective Date: 27-5-1998 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Petrochemical Processes Permit Number: BD0923	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: BD7642	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: BF3508	Original Permit Number: IPCMAJVAR Date Approved: 13-5-1999 Effective Date: 17-5-1999 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Petrochemical Processes Permit Number: BG8092	Original Permit Number: IPCMAJVAR Date Approved: 25-10-1999 Effective Date: 25-10-1999 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: BH0186	Original Permit Number: IPCMINVAR Date Approved: 21-9-1999 Effective Date: 21-9-1999 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: BH3118	Original Permit Number: IPCMINVAR Date Approved: 17-1-2000 Effective Date: 18-1-2000 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Petrochemical Processes Permit Number: BH6656	Original Permit Number: IPCMINVAR Date Approved: 10-3-2000 Effective Date: 10-3-2000 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: BH9655	Original Permit Number: IPCMINVAR Date Approved: 18-4-2000 Effective Date: 18-4-2000 Status: Superseded By Variation

ID	Location	Details	
K	420m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: BI8115	Original Permit Number: IPCMINVAR Date Approved: 5-2-2001 Effective Date: 5-2-2001 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Petrochemical Processes Permit Number: BI8484	Original Permit Number: IPCMINVAR Date Approved: 14-8-2000 Effective Date: 23-8-2000 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Petrochemical Processes Permit Number: BJ3250	Original Permit Number: IPCMINVAR Date Approved: 16-10-2000 Effective Date: 23-10-2000 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: BK6840	Original Permit Number: IPCAPP Date Approved: 31-8-2001 Effective Date: 3-9-2001 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: BK8974	Original Permit Number: IPCMINVAR Date Approved: 24-5-2001 Effective Date: 24-5-2001 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Petrochemical Processes Permit Number: BM2764	Original Permit Number: IPCMINVAR Date Approved: 8-11-2001 Effective Date: 14-11-2001 Status: Revoked
K	420m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: BM3671	Original Permit Number: IPCMINVAR Date Approved: 7-11-2001 Effective Date: 7-11-2001 Status: Revoked
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: BM4929	Original Permit Number: IPCMINVAR Date Approved: 15-11-2001 Effective Date: 19-11-2001 Status: Superseded By Variation
K	420m N	Operator: Schenectady Europe Ltd Address: Gravelly Way, Four Ashes, Wolverhampton, West Midlands, WV10 7BT Process: Manufacture And Use Of Organic Chemicals Permit Number: BU4805	Original Permit Number: IPCMINVAR Date Approved: 25-9-2003 Effective Date: 1-10-2003 Status: Revoked - Now Ippc

ID	Location	Details	
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Petrochemical Processes Permit Number: AF1462	Original Permit Number: IPCAPP Date Approved: 18-8-1992 Effective Date: 18-8-1992 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Combustion Processes Permit Number: AG2430	Original Permit Number: IPCAIRAPP Date Approved: 9-2-1993 Effective Date: 9-2-1993 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: AJ3018	Original Permit Number: IPCAIRAPP Date Approved: 14-3-1994 Effective Date: 14-3-1994 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: AJ5240	Original Permit Number: IPCAPP Date Approved: 14-3-1994 Effective Date: 14-3-1994 Status: Superseded By Variation
K	427m N	Operator: Degussa Knottingley Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Petrochemical Processes Permit Number: AJ9962	Original Permit Number: IPCAIRAPP Date Approved: 14-2-1994 Effective Date: 14-2-1994 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: AJ9989	Original Permit Number: IPCAIRAPP Date Approved: 14-2-1994 Effective Date: 14-2-1994 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: AK1380	Original Permit Number: IPCAIRAPP Date Approved: 14-2-1994 Effective Date: 14-2-1994 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: AT6425	Original Permit Number: IPCMINVAR Date Approved: 3-10-1995 Effective Date: 3-10-1995 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: AX8632	Original Permit Number: IPCMINVAR Date Approved: 12-2-1997 Effective Date: 13-2-1997 Status: Superseded By Variation

ID	Location	Details	
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: AY7810	Original Permit Number: IPCMINVAR Date Approved: 6-6-1997 Effective Date: 9-6-1997 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: AY8409	Original Permit Number: IPCMINVAR Date Approved: 14-8-1997 Effective Date: 14-8-1997 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BB0850	Original Permit Number: IPCMINVAR Date Approved: 7-5-1998 Effective Date: 7-5-1998 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BB3433	Original Permit Number: IPCAPP Date Approved: 18-1-1999 Effective Date: 18-1-1999 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BB6076	Original Permit Number: IPCMINVAR Date Approved: 30-7-1998 Effective Date: 30-7-1998 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BB6351	Original Permit Number: IPCMINVAR Date Approved: 27-7-1998 Effective Date: 27-7-1998 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BB8478	Original Permit Number: IPCMINVAR Date Approved: 3-8-1998 Effective Date: 3-8-1998 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BC0634	Original Permit Number: IPCMINVAR Date Approved: 17-9-1998 Effective Date: 17-9-1998 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BC1142	Original Permit Number: IPCMAJVAR Date Approved: 5-11-1998 Effective Date: 5-11-1998 Status: Superseded By Variation

ID	Location	Details	
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Petrochemical Processes Permit Number: BC5164	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Combustion Processes Permit Number: BC5547	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BC6128	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
K	427m N	Operator: Degussa Knottingley Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Petrochemical Processes Permit Number: BC6250	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BE5793	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BE6269	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BE6323	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BF6795	Original Permit Number: IPCMINVAR Date Approved: 1-4-1999 Effective Date: 1-4-1999 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BG0059	Original Permit Number: IPCMINVAR Date Approved: 6-5-1999 Effective Date: 6-5-1999 Status: Superseded By Variation

ID	Location	Details	
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BG2094	Original Permit Number: IPCMINVAR Date Approved: 1-6-1999 Effective Date: 1-6-1999 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BG3317	Original Permit Number: IPCMINVAR Date Approved: 28-3-2000 Effective Date: 28-3-2000 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BG5450	Original Permit Number: IPCMINVAR Date Approved: 23-7-1999 Effective Date: 26-7-1999 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BG8165	Original Permit Number: IPCMINVAR Date Approved: 30-11-1999 Effective Date: 6-12-1999 Status: Revoked
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BH1883	Original Permit Number: IPCMINVAR Date Approved: 14-1-2000 Effective Date: 17-1-2000 Status: Revoked
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BH4467	Original Permit Number: IPCMINVAR Date Approved: 23-11-1999 Effective Date: 26-11-1999 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BH4475	Original Permit Number: IPCMINVAR Date Approved: 26-11-1999 Effective Date: 29-11-1999 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BH4980	Original Permit Number: IPCMINVAR Date Approved: 9-12-1999 Effective Date: 13-12-1999 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Combustion Processes Permit Number: BI5400	Original Permit Number: IPCMINVAR Date Approved: 26-5-2000 Effective Date: 1-6-2000 Status: Superseded By Variation

ID	Location	Details	
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BI9103	Original Permit Number: IPCMINVAR Date Approved: 6-7-2000 Effective Date: 6-7-2000 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BJ0501	Original Permit Number: IPCMINVAR Date Approved: 4-8-2000 Effective Date: 7-8-2000 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BJ5236	Original Permit Number: IPCMAJVAR Date Approved: 5-3-2001 Effective Date: 5-3-2001 Status: Superseded By Variation
K	427m N	Operator: Inspec Fine Chemicals Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BJ5490	Original Permit Number: IPCMINVAR Date Approved: 18-10-2000 Effective Date: 18-10-2000 Status: Revoked
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Combustion Processes Permit Number: BK1252	Original Permit Number: IPCMAJVAR Date Approved: 23-4-2001 Effective Date: 24-4-2001 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BK9083	Original Permit Number: IPCMINVAR Date Approved: 1-6-2001 Effective Date: 1-6-2001 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Combustion Processes Permit Number: BL3358	Original Permit Number: IPCMINVAR Date Approved: 21-6-2001 Effective Date: 22-6-2001 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BL6047	Original Permit Number: IPCMINVAR Date Approved: 7-8-2001 Effective Date: 7-8-2001 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BM1296	Original Permit Number: IPCMINVAR Date Approved: 28-9-2001 Effective Date: 1-10-2001 Status: Superseded By Variation

ID	Location	Details	
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BM7456	Original Permit Number: IPCMINVAR Date Approved: 22-1-2002 Effective Date: 23-1-2002 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BR4527	Original Permit Number: IPCMINVAR Date Approved: 13-3-2002 Effective Date: 13-3-2002 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BR6716	Original Permit Number: IPCMINVAR Date Approved: 2-4-2003 Effective Date: 2-4-2003 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BU0486	Original Permit Number: IPCMINVAR Date Approved: 25-2-2003 Effective Date: 7-3-2003 Status: Revoked - Now Ippc
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BV5653	Original Permit Number: IPCMINVAR Date Approved: 25-9-2003 Effective Date: 1-10-2003 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BV7176	Original Permit Number: IPCMAJVAR Date Approved: 5-1-2004 Effective Date: 5-1-2004 Status: Revoked - Now Ippc
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Manufacture And Use Of Organic Chemicals Permit Number: BW2480	Original Permit Number: IPCMINVAR Date Approved: 30-10-2003 Effective Date: 11-11-2003 Status: Superseded By Variation
K	427m N	Operator: Schenectady Europe Ltd Address: Main Building, Four Ashes, Wolverhampton, West Midlands, WV10 7BP Process: Combustion Processes Permit Number: BX3945	Original Permit Number: IPCMINVAR Date Approved: 18-3-2004 Effective Date: 26-3-2004 Status: Revoked - Now Ippc

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	**94**

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

Features are displayed on the Current industrial land use map on **page 53**

ID	Location	Details	
E	34m NW	Operator: THERMAL RECYCLING (UK) LTD Installation Name: UNIT 5A AND 5B, STATION RD, FOUR ASHES - EPR/BP3136WY Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING RECYCLING OR RECLAMATION OF INORGANIC MATERIALS OTHER THAN METALS OR METAL COMPOUNDS Permit Number: BP3136WY Original Permit Number: BP3136WY	EPR Reference: - Issue Date: 28/04/2017 Effective Date: 28/04/2017 Last date noted as effective: 01/04/2021 Status: EFFECTIVE
E	76m NW	Operator: AQUA FORCE SPECIAL WASTE LIMITED Installation Name: UNIT 4A - EPR/XP3992FV Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: DP3436YG Original Permit Number: KP3437WN	EPR Reference: - Issue Date: 17/07/2017 Effective Date: 17/07/2017 Last date noted as effective: 26/10/2020 Status: EFFECTIVE
E	76m NW	Operator: AQUA FORCE SPECIAL WASTE LIMITED Installation Name: UNIT 4A - EPR/XP3992FV Process: THE INCINERATION OF HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 10 TONNES PER DAY Permit Number: DP3436YG Original Permit Number: KP3437WN	EPR Reference: - Issue Date: 17/07/2017 Effective Date: 17/07/2017 Last date noted as effective: 26/10/2020 Status: EFFECTIVE
E	76m NW	Operator: AQUA FORCE SPECIAL WASTE LIMITED Installation Name: AQUA FORCE - FRIDGE DESTRUCTION UNIT Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: KP3437WN Original Permit Number: KP3437WN	EPR Reference: - Issue Date: 02/11/2016 Effective Date: 02/11/2016 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
E	76m NW	Operator: AQUA FORCE SPECIAL WASTE LIMITED Installation Name: UNIT 4A - EPR/XP3992FV Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: DP3436YG Original Permit Number: KP3437WN	EPR Reference: - Issue Date: 17/07/2017 Effective Date: 17/07/2017 Last date noted as effective: 01/04/2021 Status: EFFECTIVE
I	189m E	Operator: ATTERO SERVICES LTD Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION Process: ASSOCIATED PROCESS Permit Number: RP3637SY Original Permit Number: RP3637SY	EPR Reference: - Issue Date: 23/06/2006 Effective Date: 23/06/2006 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
I	189m E	Operator: ATTERO SERVICES LTD Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: RP3637SY Original Permit Number: RP3637SY	EPR Reference: - Issue Date: 23/06/2006 Effective Date: 23/06/2006 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
I	189m E	Operator: SRCL LIMITED Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION Process: ASSOCIATED PROCESS Permit Number: FP3332CB Original Permit Number: JP3733UT	EPR Reference: - Issue Date: 08/11/2012 Effective Date: 08/11/2012 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
I	189m E	Operator: SRCL LTD Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: LP3931UF Original Permit Number: JP3733UT	EPR Reference: - Issue Date: 07/01/2008 Effective Date: 07/01/2008 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
I	189m E	Operator: SRCL LTD Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: SP3533CD Original Permit Number: JP3733UT	EPR Reference: - Issue Date: 23/02/2012 Effective Date: 23/02/2012 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
I	189m E	Operator: SRCL LIMITED Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION - EPR/JP3733UT Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: UP3733EM Original Permit Number: JP3733UT	EPR Reference: - Issue Date: 03/12/2013 Effective Date: 03/12/2013 Last date noted as effective: 01/04/2021 Status: EFFECTIVE
I	189m E	Operator: SRCL LTD Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION Process: ASSOCIATED PROCESS Permit Number: LP3931UF Original Permit Number: JP3733UT	EPR Reference: - Issue Date: 07/01/2008 Effective Date: 07/01/2008 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
I	189m E	Operator: SRCL LTD Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION Process: ASSOCIATED PROCESS Permit Number: JP3733UT Original Permit Number: JP3733UT	EPR Reference: - Issue Date: 16/02/2007 Effective Date: 16/02/2007 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
I	189m E	Operator: SRCL LIMITED Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION - EPR/JP3733UT Process: ASSOCIATED PROCESS Permit Number: UP3733EM Original Permit Number: JP3733UT	EPR Reference: - Issue Date: 03/12/2013 Effective Date: 03/12/2013 Last date noted as effective: 01/04/2021 Status: EFFECTIVE
I	189m E	Operator: SRCL LTD Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: JP3733UT Original Permit Number: JP3733UT	EPR Reference: - Issue Date: 16/02/2007 Effective Date: 16/02/2007 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
I	189m E	Operator: SRCL LIMITED Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: FP3332CB Original Permit Number: JP3733UT	EPR Reference: - Issue Date: 08/11/2012 Effective Date: 08/11/2012 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
I	189m E	Operator: SRCL LIMITED Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION - EPR/JP3733UT Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: UP3733EM Original Permit Number: JP3733UT	EPR Reference: - Issue Date: 03/12/2013 Effective Date: 03/12/2013 Last date noted as effective: 01/04/2021 Status: EFFECTIVE
I	189m E	Operator: SRCL LTD Installation Name: FOUR ASHES CLINICAL WASTE TREATMENT PLANT AND TRANSFER STATION Process: ASSOCIATED PROCESS Permit Number: SP3533CD Original Permit Number: JP3733UT	EPR Reference: - Issue Date: 23/02/2012 Effective Date: 23/02/2012 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
H	190m SE	Operator: EPR FOUR ASHES LTD Installation Name: - Process: GASIFICATION, LIQUIFAC. & REFINING; ANY PYROLYSIS HEAT TREATMENT ETC OF COAL CARBONACEOUS MMATERIAL ETC (UNLESS COAL DRYING/MAKING CHARCOAL)NISATION, DISTILLATION AND OTHER PROCESSES Permit Number: BU0508 Original Permit Number: BJ9525	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
H	190m SE	Operator: EPR FOUR ASHES LTD Installation Name: FOUR ASHES WASTE TYRE TO ENERGY POWER STATION Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: BJ9525IX Original Permit Number: BJ9525IX	EPR Reference: - Issue Date: 03/12/2002 Effective Date: 22/02/2005 Last date noted as effective: 01/04/2021 Status: REVOKED
H	190m SE	Operator: EPR FOUR ASHES LTD Installation Name: - Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: BU0508 Original Permit Number: BJ9525	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
H	190m SE	Operator: EPR FOUR ASHES LTD Installation Name: - Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: BJ9525 Original Permit Number: BJ9525	EPR Reference: - Issue Date: 03/12/2002 Effective Date: 03/12/2002 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS

ID	Location	Details	
H	190m SE	Operator: EPR FOUR ASHES LTD Installation Name: - Process: GASIFICATION, LIQUIFAC. & REFINING; ANY PYROLYSIS HEAT TREATMENT ETC OF COAL CARBONACEOUS MMATERIAL ETC (UNLESS COAL DRYING/MAKING CHARCOAL)NISATION, DISTILLATION AND OTHER PROCESSES Permit Number: BJ9525 Original Permit Number: BJ9525	EPR Reference: - Issue Date: 03/12/2002 Effective Date: 03/12/2002 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
H	190m SE	Operator: EPR FOUR ASHES LTD Installation Name: FOUR ASHES WASTE TYRE TO ENERGY POWER STATION Process: GASIFICATION, LIQUIFAC. AND REFINING; ANY PYROLYSIS HEAT TREATMENT ETC OF COAL CARBONACEOUS MATERIAL ETC (UNLESS COAL DRYING/MAKING CHARCOAL)NISATION, DISTILLATION AND OTHER PROCESSES Permit Number: BJ9525IX Original Permit Number: BJ9525IX	EPR Reference: - Issue Date: 03/12/2002 Effective Date: 22/02/2005 Last date noted as effective: 01/04/2021 Status: REVOKED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: JP3337QU Original Permit Number: BS4707IB	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2019 Status: DETERMINATION
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: - Process: ORGANIC CHEMICALS; HALOGEN CONTAING COMPOUNDS EG HALOCARBONS Permit Number: BS4707 Original Permit Number: BS4707	EPR Reference: - Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: - Process: ORGANIC CHEMICALS; RECOVERING PYRIDINE ETC Permit Number: BS4707 Original Permit Number: BS4707	EPR Reference: - Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: - Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BS4707 Original Permit Number: BS4707	EPR Reference: - Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS

ID	Location	Details	
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: AP3237TY Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 13/07/2010 Effective Date: 13/07/2010 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: AP3237TY Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 13/07/2010 Effective Date: 13/07/2010 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: INCINERATION OF HAZARDOUS WASTE Permit Number: BS4707IB Original Permit Number: BS4707IB	EPR Reference: EA/EPR/BS4707IB/S005 Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: HP3434GZ Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 13/07/2010 Effective Date: 13/07/2010 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: PP3832SZ Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 20/12/2005 Effective Date: 20/12/2005 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; RECOVERING PYRIDINE ETC Permit Number: PP3832SZ Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 20/12/2005 Effective Date: 20/12/2005 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: RP3536TA Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 22/06/2010 Effective Date: 22/06/2010 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ASSOCIATED PROCESS Permit Number: WP3637GN Original Permit Number: BS4707IB	EPR Reference: EA/EPR/BS4707IB/V006 Issue Date: 14/09/2009 Effective Date: 14/09/2009 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: WP3637GN Original Permit Number: BS4707IB	EPR Reference: EA/EPR/BS4707IB/V006 Issue Date: 14/09/2009 Effective Date: 14/09/2009 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: XP3337SY Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 15/03/2006 Effective Date: 15/03/2006 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: YP3832UP Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 31/12/2007 Effective Date: 27/12/2007 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: YP3832UP Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 31/12/2007 Effective Date: 27/12/2007 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; RECOVERING PYRIDINE ETC Permit Number: YP3832UP Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 31/12/2007 Effective Date: 27/12/2007 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: DP3033NX Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 24/05/2013 Effective Date: 24/05/2013 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ASSOCIATED PROCESS Permit Number: EP3631RR Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 13/04/2016 Effective Date: 13/04/2016 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: JP3337QU Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 24/10/2019 Effective Date: 24/10/2019 Last date noted as effective: 01/04/2021 Status: EFFECTIVE
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; RECOVERING PYRIDINE ETC Permit Number: SP3131CK Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 03/09/2012 Effective Date: 03/09/2012 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: - Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BS4707 Original Permit Number: BS4707	EPR Reference: - Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: - Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: BS4707 Original Permit Number: BS4707	EPR Reference: - Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: - Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BS4707 Original Permit Number: BS4707	EPR Reference: - Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: - Process: WASTE INCINERATION; CHEMICALS/PLASTIC ARISING FROM THEIR MANUFACTURE Permit Number: BS4707 Original Permit Number: BS4707	EPR Reference: - Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS

ID	Location	Details	
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BS4707IB Original Permit Number: BS4707IB	EPR Reference: EA/EPR/BS4707IB/S005 Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; RECOVERING PYRIDINE ETC Permit Number: HP3434GZ Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 13/07/2010 Effective Date: 13/07/2010 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: PP3832SZ Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 20/12/2005 Effective Date: 20/12/2005 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: PP3832SZ Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 20/12/2005 Effective Date: 20/12/2005 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: PP3832SZ Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 20/12/2005 Effective Date: 20/12/2005 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: RP3536TA Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 22/06/2010 Effective Date: 22/06/2010 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: WP3637GN Original Permit Number: BS4707IB	EPR Reference: EA/EPR/BS4707IB/V006 Issue Date: 14/09/2009 Effective Date: 14/09/2009 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; RECOVERING PYRIDINE ETC Permit Number: XP3337SY Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 15/03/2006 Effective Date: 15/03/2006 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: HP3434GZ Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 13/07/2010 Effective Date: 13/07/2010 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: HP3434GZ Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 13/07/2010 Effective Date: 13/07/2010 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: RP3536TA Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 22/06/2010 Effective Date: 22/06/2010 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: YP3832UP Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 31/12/2007 Effective Date: 27/12/2007 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: DP3033NX Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 24/05/2013 Effective Date: 24/05/2013 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: JP3337QU Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 24/10/2019 Effective Date: 24/10/2019 Last date noted as effective: 01/04/2021 Status: EFFECTIVE
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: PP3134YT Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 21/07/2017 Effective Date: 21/07/2017 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: SP3131CK Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 03/09/2012 Effective Date: 03/09/2012 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: VP3232HD Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 27/01/2011 Effective Date: 27/01/2011 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; RECOVERING PYRIDINE ETC Permit Number: VP3232HD Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 27/01/2011 Effective Date: 27/01/2011 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ASSOCIATED PROCESS Permit Number: DP3033NX Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 24/05/2013 Effective Date: 24/05/2013 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: DP3033NX Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 24/05/2013 Effective Date: 24/05/2013 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: EP3631RR Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 13/04/2016 Effective Date: 13/04/2016 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: EP3631RR Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 13/04/2016 Effective Date: 13/04/2016 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ASSOCIATED PROCESS Permit Number: JP3337QU Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 24/10/2019 Effective Date: 24/10/2019 Last date noted as effective: 01/04/2021 Status: EFFECTIVE
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: PP3134YT Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 21/07/2017 Effective Date: 21/07/2017 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: VP3232HD Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 27/01/2011 Effective Date: 27/01/2011 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: AP3237TY Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 13/07/2010 Effective Date: 13/07/2010 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS Permit Number: BS4707IB Original Permit Number: BS4707IB	EPR Reference: EA/EPR/BS4707IB/S005 Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BS4707IB Original Permit Number: BS4707IB	EPR Reference: EA/EPR/BS4707IB/S005 Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; RECOVERING PYRIDINE ETC Permit Number: AP3237TY Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 13/07/2010 Effective Date: 13/07/2010 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: BS4707IB Original Permit Number: BS4707IB	EPR Reference: EA/EPR/BS4707IB/S005 Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; RECOVERING PYRIDINE ETC Permit Number: BS4707IB Original Permit Number: BS4707IB	EPR Reference: EA/EPR/BS4707IB/S005 Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; SULPHUR CONTAINING COMPOUNDS EG SULPHIDES Permit Number: BS4707IB Original Permit Number: BS4707IB	EPR Reference: EA/EPR/BS4707IB/S005 Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: INCINERATION OF HAZARDOUS WASTE Permit Number: PP3832SZ Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 20/12/2005 Effective Date: 20/12/2005 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: PP3832SZ Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 20/12/2005 Effective Date: 20/12/2005 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; RECOVERING PYRIDINE ETC Permit Number: RP3536TA Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 22/06/2010 Effective Date: 22/06/2010 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: WP3637GN Original Permit Number: BS4707IB	EPR Reference: EA/EPR/BS4707IB/V006 Issue Date: 14/09/2009 Effective Date: 14/09/2009 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; RECOVERING PYRIDINE ETC Permit Number: WP3637GN Original Permit Number: BS4707IB	EPR Reference: EA/EPR/BS4707IB/V006 Issue Date: 14/09/2009 Effective Date: 14/09/2009 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: XP3337SY Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 15/03/2006 Effective Date: 15/03/2006 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SCHENECTADY EUROPE LTD Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: XP3337SY Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 15/03/2006 Effective Date: 15/03/2006 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: EP3631RR Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 13/04/2016 Effective Date: 13/04/2016 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ASSOCIATED PROCESS Permit Number: PP3134YT Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 21/07/2017 Effective Date: 21/07/2017 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: PP3134YT Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 21/07/2017 Effective Date: 21/07/2017 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: SP3131CK Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 03/09/2012 Effective Date: 03/09/2012 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: SP3131CK Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 03/09/2012 Effective Date: 03/09/2012 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
K	397m N	Operator: SI GROUP UK LIMITED Installation Name: FOUR ASHES CHEMICAL WORKS EPR/BS4707IB Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: VP3232HD Original Permit Number: BS4707IB	EPR Reference: - Issue Date: 27/01/2011 Effective Date: 27/01/2011 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

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

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

Records within 500m **3**

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

Features are displayed on the Current industrial land use map on **page 53**

ID	Location	Address	Details	
C	74m SE	Powerwave (UK) Ltd, Enterprise Drive, Four Ashes, Wolverhampton, WV10 7DB	Process: Manufacture of Clay Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	76m SE	Filtronic Comtek (UK) Ltd, Enterprise Drive, Four Ashes, Wolverhampton, WV10 7DB	Process: Mineral Drying Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
10	458m E	Hope Construction Materials, Enterprise Drive, Four Ashes, WV10 7DF	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	2

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

Features are displayed on the Current industrial land use map on **page 53**

ID	Location	Address	Details	
L	485m SE	ENTERPRISE WAY, FOUR ASHES, WOLVERHAMPTON	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: T/03/21776/T Permit Version: 1 Receiving Water: SAREDON BROOK	Status: SURRENDERED UNDER EPR 2010 Issue date: 31/07/1992 Effective Date: 31/07/1992 Revocation Date: 17/07/2015
13	488m SE	FOUR ASHES INDUSTRIAL ESTATE SWS, FOUR ASHES	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/03/09001/O Permit Version: 1 Receiving Water: SAREDON BROOK	Status: SURRENDERED UNDER EPR 2010 Issue date: 21/04/1983 Effective Date: 21/04/1983 Revocation Date: 05/10/2010

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0

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

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

4.17 List 2 Dangerous Substances

Records within 500m	0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	9

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

Features are displayed on the Current industrial land use map on **page 53**

ID	Location	Details	
A	**On site**	**Incident Date: 15/11/2002** **Incident Identification: 121141** **Pollutant: Contaminated Water** **Pollutant Description: Firefighting Run-Off**	**Water Impact: Category 4 (No Impact)** **Land Impact: Category 4 (No Impact)** **Air Impact: Category 4 (No Impact)**
E	242m N	Incident Date: 25/06/2003 Incident Identification: 172276 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
6	273m SE	Incident Date: 01/10/2002 Incident Identification: 111837 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
7	367m N	Incident Date: 17/02/2002 Incident Identification: 58803 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

ID	Location	Details	
8	388m E	Incident Date: 13/01/2003 Incident Identification: 130689 Pollutant: Inorganic Chemicals/Products Pollutant Description: Cement	Water Impact: Category 3 (Minor) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
9	417m N	Incident Date: 28/08/2001 Incident Identification: 27183 Pollutant: Organic Chemicals/Products Pollutant Description: Phenols and Creosote	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
K	429m N	Incident Date: 14/09/2002 Incident Identification: 107865 Pollutant: Organic Chemicals/Products Pollutant Description: Phenols and Creosote	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
L	441m SE	Incident Date: 03/06/2002 Incident Identification: 82663 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
11	479m N	Incident Date: 07/10/2001 Incident Identification: 35057 Pollutant: Organic Chemicals/Products Pollutant Description: Solvents	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m	**5**

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

Features are displayed on the Current industrial land use map on **page 53**

ID: E, Location: 77m NW, Permit: XP3992FV
Operator: Aqua Force Special Waste Limited
Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
Address: Aqua Force Special Waste Ltd- Unit 4a Station Road Sprint Industrial Estate Four Ashes West Midland WV10 7DB
Sector: Waste Treatment, Sub-sector: Metals Recycling
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrous oxide	10000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Air	Particulate matter - PM10	1000kg	Below Reporting Threshold
Air	Particulate matter - PM2.5	1000kg	Below Reporting Threshold
Air	Particulate matter - total	10000kg	Below Reporting Threshold

ID: K, Location: 397m N, Permit: BS4707IB
Operator: SI Group UK Limited
Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS
Address: Four Ashes Chemical Works Gravelly Way Four Ashes West Midlands WV10 7BT
Sector Chemicals, Sub-sector: Chemicals
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Phenols - total as C	20kg	48kg

ID: K, Location: 397m N, Permit: BS4707IB
Operator: SI Group UK Limited
Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS
Address: Four Ashes Chemical Works Gravelly Way Four Ashes West Midlands WV10 7BT
Sector Chemicals, Sub-sector: Chemicals
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Cadmium	1kg	Below Reporting Threshold
Controlled Waters	Chlorides - as Cl	2000000kg	Below Reporting Threshold
Controlled Waters	Fluorides - as F	2000kg	Below Reporting Threshold
Controlled Waters	Nitrogen - as total N	50000kg	Below Reporting Threshold
Controlled Waters	Nonylphenols and nonylphenol ethoxylates	1kg	Below Reporting Threshold
Wastewater	Nonylphenols and nonylphenol ethoxylates	1kg	Below Reporting Threshold
Controlled Waters	Phenols - total as C	20kg	Below Reporting Threshold

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Total organic carbon (TOC)	50000kg	Below Reporting Threshold
Wastewater	Total organic carbon (TOC)	50000kg	Below Reporting Threshold

ID: K, Location: 397m N, Permit: BS4707IB
Operator: SI Group UK Limited
Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS
Address: Four Ashes Chemical Works Gravelly Way Four Ashes West Midlands WV10 7BT
Sector Chemicals, Sub-sector: Chemicals
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	16874000kg

ID: K, Location: 397m N, Permit: BS4707IB
Operator: SI Group UK Limited
Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS
Address: Four Ashes Chemical Works Gravelly Way Four Ashes West Midlands WV10 7BT
Sector Chemicals, Sub-sector: Chemicals
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Mercury	0.1kg	0.23kg

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

4.20 Pollution inventory waste transfers

Records within 500m	**3**

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

Features are displayed on the Current industrial land use map on **page 53**

ID: E, Location: 77m NW, Permit: XP3992FV
Operator: Aqua Force Special Waste Limited
Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
Address: Aqua Force Special Waste Ltd- Unit 4a Station Road Sprint Industrial Estate Four Ashes West Midland WV10 7DB
Sector: Waste Treatment, Sub-sector: Metals Recycling
Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R5	Recycling/reclamation of other inorganic materials	88.9	Absolute Value	10 13 14	waste concrete and concrete sludge	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	11.4	Absolute Value	15 01 01	paper and cardboard packaging	No
R4	Recycling/reclamation of metals and metal compounds	906.19	Absolute Value	16 01 17	ferrous metal	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	15.6	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	210.2	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	13.6	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	10	Absolute Value	18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)	No

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	846.4	Absolute Value	19 02 03	premixed wastes composed only of non-hazardous wastes	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	217.11	Absolute Value	20 01 39	plastics	No
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	2449.09	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	151.13	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
R4	Recycling/reclamation of metals and metal compounds	288.94	Absolute Value	16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15	No
R4	Recycling/reclamation of metals and metal compounds	10.86	Absolute Value	20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	7.14	Absolute Value	20 01 02	glass	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	11.7	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.6	Absolute Value	08 01 13	sludges from paint or varnish containing organic solvents or other dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	13.1	Absolute Value	08 01 17	wastes from paint or varnish removal containing organic solvents or other dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.5	Absolute Value	08 03 12	waste ink containing dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	39.5	Absolute Value	08 01 21	waste paint or varnish remover	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.5	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	22.3	Absolute Value	12 01 09	machining emulsions and solutions free of halogens	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	29.6	Absolute Value	12 01 14	machining sludges containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	123.5	Absolute Value	13 01 10	mineral based non-chlorinated hydraulic oils	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	413.9	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	1	Absolute Value	16 01 07	oil filters	Yes
D10	Incineration on Land	2	Absolute Value	14 06 02	other halogenated solvents and solvent mixtures	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	86.3	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	47.3	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
D14	Repackaging prior to submission to any of the operations numbered D1 to D13	42	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
D14	Repackaging prior to submission to any of the operations numbered D1 to D13	75	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	30.6	Absolute Value	19 02 04	premixed wastes composed of at least one hazardous waste	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	2	Absolute Value	19 02 04	premixed wastes composed of at least one hazardous waste	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	679.4	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.2	Absolute Value	20 01 13	solvents	Yes
R4	Recycling/reclamation of metals and metal compounds	3.2	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes
R4	Recycling/reclamation of metals and metal compounds	170.06	Absolute Value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes

ID: I, Location: 190m E, Permit: JP3733UT
Operator: Srcl Limited
Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
Address: Four Ashes Clinical Waste Treatment Plant And Transfer Station Station Road Four Ashes West Midlands WV10 7DG
Sector: Waste Treatment, Sub-sector: Hazardous
Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	16565	Absolute Value	19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09	No
D1	Deposit into or onto land (eg landfill, etc.)	2138	Absolute Value	18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)	No
R5	Recycling/reclamation of other inorganic materials	629	Absolute Value	18 01 09	medicines other than those mentioned in 18 01 08	No

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D1	Deposit into or onto land (eg landfill, etc.)	31.26	Absolute Value	18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection	No
D1	Deposit into or onto land (eg landfill, etc.)	10.6	Absolute Value	20 01 99	other fractions not otherwise specified	No
D10	Incineration on Land	10.6	Absolute Value	20 01 99	other fractions not otherwise specified	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.49	Absolute Value	09 01 03	solvent-based developer solutions	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.36	Absolute Value	09 01 04	fixer solutions	Yes
D10	Incineration on Land	1802.5	Absolute Value	18 01 03	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes
D10	Incineration on Land	0.7	Absolute Value	18 01 06	chemicals consisting of or containing dangerous substances	Yes
D10	Incineration on Land	150.1	Absolute Value	18 01 08	cytotoxic and cytostatic medicines	Yes
D10	Incineration on Land	139.05	Absolute Value	18 02 02	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes

ID: K, Location: 397m N, Permit: BS4707IB
Operator: SI Group UK Limited
Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS
Address: Four Ashes Chemical Works Gravelly Way Four Ashes West Midlands WV10 7BT
Sector Releases: Chemicals, Sub-sector: Chemicals

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	29.36	Absolute Value	17 04 05	iron and steel	No
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	3868.38	Absolute Value	19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	11.76	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	25.26	Absolute Value	17 01 01	concrete	No
D1	Deposit into or onto land (eg landfill, etc.)	33.72	Absolute Value	17 05 04	soil and stones other than those mentioned in 17 05 03	No
D1	Deposit into or onto land (eg landfill, etc.)	16.22	Absolute Value	20 03 01	mixed municipal waste	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	3.32	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	77.76	Absolute Value	07 01 08	other still bottoms and reaction residues	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.06	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	23.8	Absolute Value	07 01 10	other filter cakes and spent absorbents	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	20.05	Absolute Value	07 01 04	other organic solvents, washing liquids and mother liquors	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.2	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3.2	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.2	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.23	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.6	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.94	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.2	Absolute Value	13 03 07	mineral-based non-chlorinated insulating and heat transmission oils	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1188.58	Absolute Value	07 07 08	other still bottoms and reaction residues	Yes
D1	Deposit into or onto land (eg landfill, etc.)	16.8	Absolute Value	17 05 03	soil and stones containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.4	Absolute Value	17 06 01	insulation materials containing asbestos	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.42	Absolute Value	13 05 07	oily water from oil/water separators	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	25.06	Absolute Value	16 07 09	wastes containing other dangerous substances	Yes

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

4.21 Pollution inventory radioactive waste

Records within 500m	**0**

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

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

5 Geology (basic)

5.1 Superficial geology (625k)

Records within 500m	1

Generalised geology data based on BGS's published poster maps of the UK (North and South). Superficial related themes digitised from 1977 first edition Quaternary map (North and South).

Location	Lex code	Description	Rock type
On site	**TILL-DMTN**	**TILL**	**DIAMICTON**

This data is sourced from the British Geological Survey.

5.2 Bedrock geology (625k)

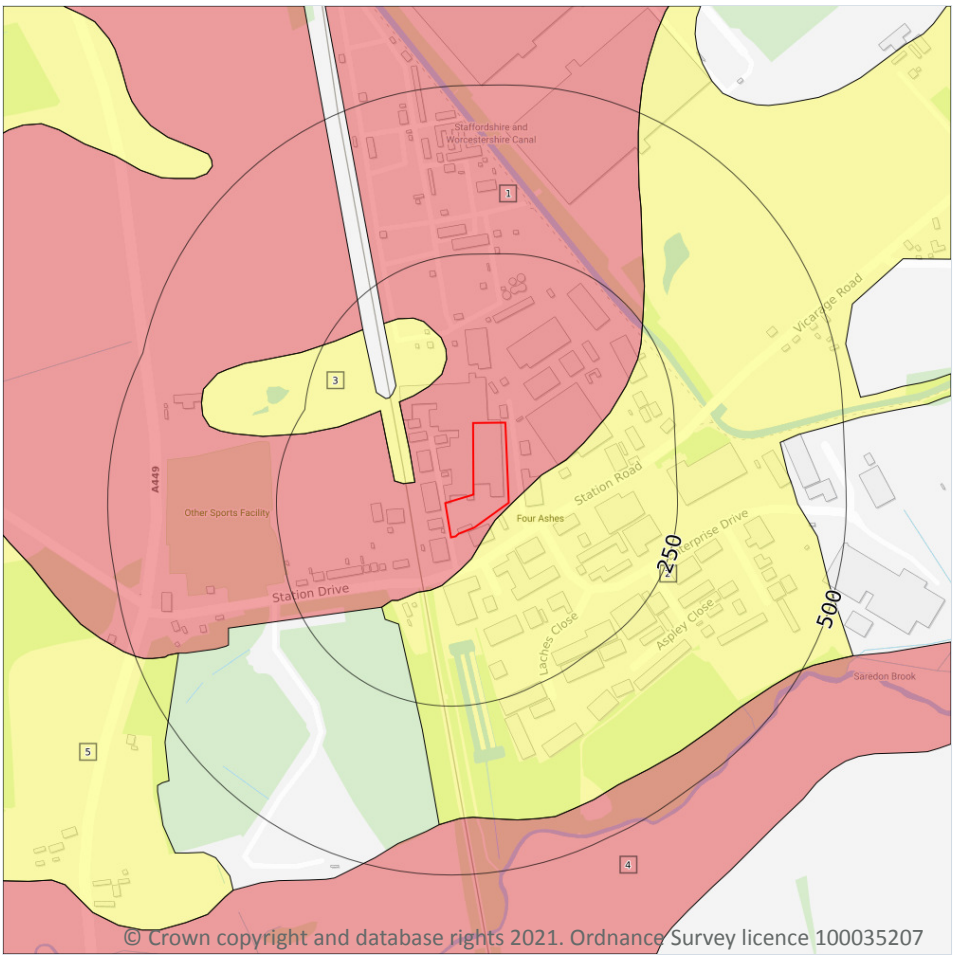
Records within 500m	1

Generalised geology data based on BGS's published poster maps of the UK (North and South). Bedrock related themes created through generalisation of 1:50,000 data.

Location	Lex code	Description	Rock type
On site	**TRIA-SCON**	**TRIASSIC ROCKS (UNDIFFERENTIATED)**	**SANDSTONE AND CONGLOMERATE, INTERBEDDED**

This data is sourced from the British Geological Survey.

6 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

6.1 Superficial aquifer

Records within 500m	5

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 101**

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

ID	Location	Designation	Description
3	55m NW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	416m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	439m SW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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

Bedrock aquifer

Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

6.2 Bedrock aquifer

Records within 500m	1

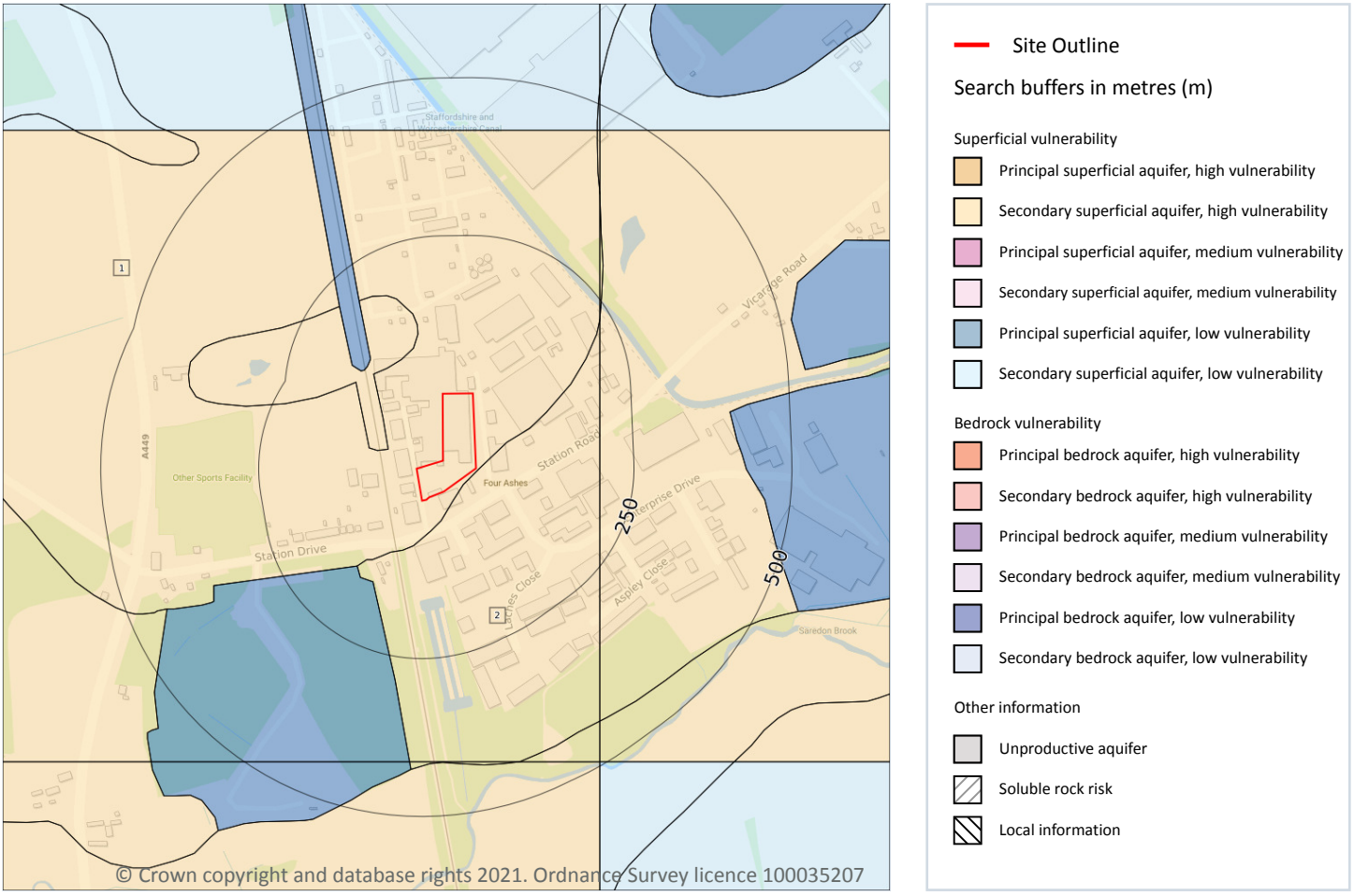
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 103**

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

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

Groundwater vulnerability



6.3 Groundwater vulnerability

Records within 50m	2

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

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

Features are displayed on the Groundwater vulnerability map on **page 104**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year**	**Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low**	**Vulnerability: Low Aquifer type: Principal Flow mechanism: Mixed**
2	4m SE	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Mixed

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

6.4 Groundwater vulnerability- soluble rock risk

Records on site	**0**

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

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

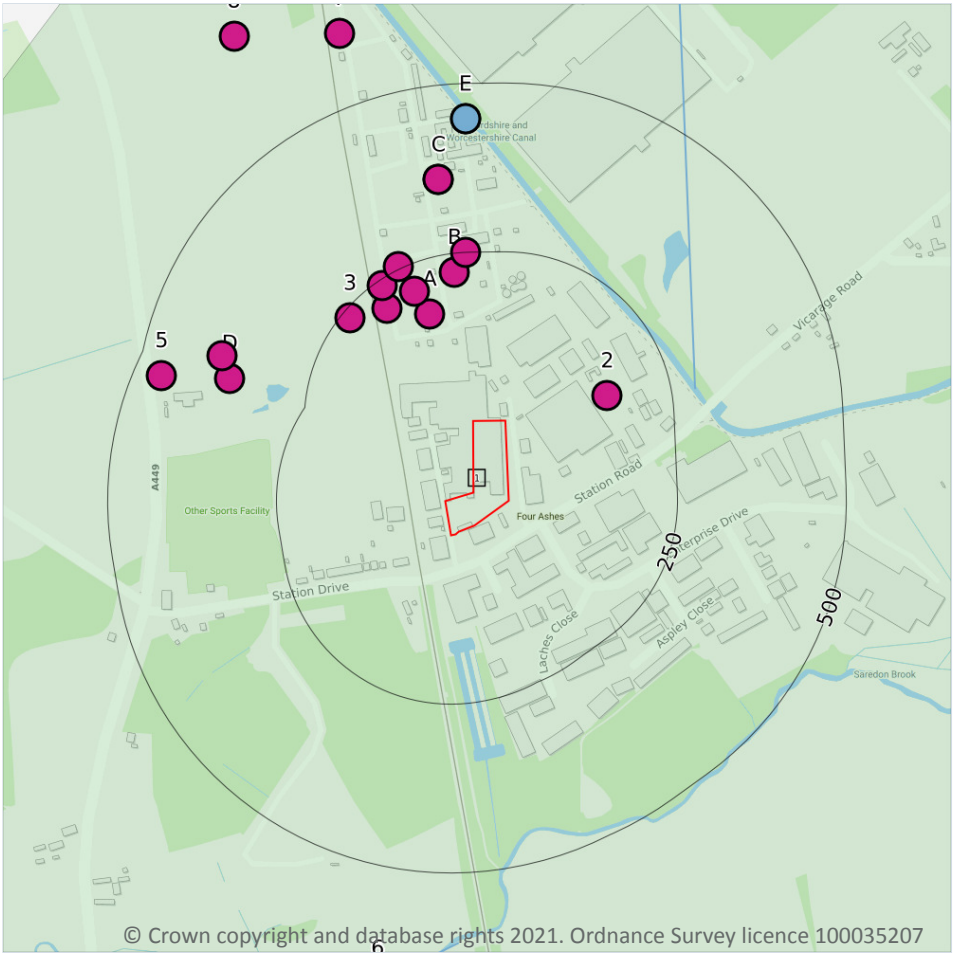
6.5 Groundwater vulnerability- local information

Records on site	**0**

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

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

Abstractions and Source Protection Zones



Site Outline

Search buffers in metres (m)

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

6.6 Groundwater abstractions

Records within 2000m	22

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 106**

ID	Location	Details	
2	155m E	Status: Historical Licence No: 03/28/03/0187 Details: Process water Direct Source: Groundwater Midlands Region Point: PREMISES AT FOUR ASHES - BOREHOLE Data Type: Point Name: LEIGH ENVIRONMENTAL LTD Easting: 391950 Northing: 308620	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 10/08/1983 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1995 Version End Date: -
A	170m N	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE - 143 Data Type: Point Name: SI GROUP UK LIMITED Easting: 391687 Northing: 308741	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -
A	209m NW	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE BH-14 Data Type: Point Name: SI GROUP UK LIMITED Easting: 391623 Northing: 308749	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -
A	211m NW	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE - 144 Data Type: Point Name: SI GROUP UK LIMITED Easting: 391664 Northing: 308775	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -

ID	Location	Details	
B	221m N	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE A Data Type: Point Name: SI GROUP UK LIMITED Easting: 391724 Northing: 308803	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -
3	237m NW	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE C Data Type: Point Name: SI GROUP UK LIMITED Easting: 391569 Northing: 308735	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -
A	241m NW	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE - 15 Data Type: Point Name: SI GROUP UK LIMITED Easting: 391617 Northing: 308783	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -
B	250m N	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE - 141 Data Type: Point Name: SI GROUP UK LIMITED Easting: 391740 Northing: 308833	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -

ID	Location	Details	
A	253m NW	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE - 145 Data Type: Point Name: SI GROUP UK LIMITED Easting: 391640 Northing: 308811	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -
C	360m N	Status: Active Licence No: 03/28/03/0178 Details: Process Water Direct Source: Groundwater Midlands Region Point: CALF HEATH,FOUR ASHES - BOREHOLE Data Type: Point Name: S I Group - UK Ltd Easting: 391700 Northing: 308940	Annual Volume (m^3): 402,960 Max Daily Volume (m^3): 1,104 Original Application No: - Original Start Date: 01/03/1982 Expiry Date: - Issue No: 102 Version Start Date: 26/05/2020 Version End Date: -
C	360m N	Status: Active Licence No: 03/28/03/0178 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Groundwater Midlands Region Point: CALF HEATH,FOUR ASHES - BOREHOLE Data Type: Point Name: S I Group - UK Ltd Easting: 391700 Northing: 308940	Annual Volume (m^3): 402,960 Max Daily Volume (m^3): 1,104 Original Application No: - Original Start Date: 01/03/1982 Expiry Date: - Issue No: 102 Version Start Date: 26/05/2020 Version End Date: -
D	365m W	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE E Data Type: Point Name: SI GROUP UK LIMITED Easting: 391391 Northing: 308646	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -

ID	Location	Details	
D	383m W	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE G Data Type: Point Name: SI GROUP UK LIMITED Easting: 391380 Northing: 308680	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -
5	459m NW	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE F Data Type: Point Name: SI GROUP UK LIMITED Easting: 391290 Northing: 308650	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -
7	607m N	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE B Data Type: Point Name: SI GROUP UK LIMITED Easting: 391554 Northing: 309157	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -
8	671m NW	Status: Active Licence No: MD/028/0003/002 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE D Data Type: Point Name: SI GROUP UK LIMITED Easting: 391397 Northing: 309153	Annual Volume (m^3): 109,500 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 21/06/2010 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 29/10/2012 Version End Date: -

ID	Location	Details	
-	987m N	Status: Active Licence No: 03/28/03/0161 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Groundwater Midlands Region Point: GRAVELLY WAY - BOREHOLE Data Type: Point Name: S I Group - UK Ltd Easting: 391510 Northing: 309540	Annual Volume (m^3): 331,818 Max Daily Volume (m^3): 909 Original Application No: - Original Start Date: 06/08/1979 Expiry Date: - Issue No: 102 Version Start Date: 26/05/2020 Version End Date: -
-	987m N	Status: Active Licence No: 03/28/03/0161 Details: Process Water Direct Source: Groundwater Midlands Region Point: GRAVELLY WAY - BOREHOLE Data Type: Point Name: S I Group - UK Ltd Easting: 391510 Northing: 309540	Annual Volume (m^3): 331,818 Max Daily Volume (m^3): 909 Original Application No: - Original Start Date: 06/08/1979 Expiry Date: - Issue No: 102 Version Start Date: 26/05/2020 Version End Date: -
-	1106m E	Status: Active Licence No: 03/28/03/0189 Details: General Washing/Process Washing Direct Source: Groundwater Midlands Region Point: FOUR ASHES TREATMENT WORKS - BOREHOLE Data Type: Point Name: Severn Trent Water Ltd Easting: 392910 Northing: 308510	Annual Volume (m^3): 35,360 Max Daily Volume (m^3): 136 Original Application No: - Original Start Date: 24/09/1984 Expiry Date: - Issue No: 102 Version Start Date: 22/10/2010 Version End Date: -
-	1305m NW	Status: Historical Licence No: 03/28/03/0163 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: EVERGREEN FARM Data Type: Point Name: POWELL Easting: 391000 Northing: 309650	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 08/11/1979 Expiry Date: - Issue No: 100 Version Start Date: 08/11/1979 Version End Date: -
-	1408m NW	Status: Historical Licence No: 03/28/03/0162 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: LAND OFF STAFFORD ROAD Data Type: Point Name: MARSHALL Easting: 391010 Northing: 309780	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 08/11/1979 Expiry Date: - Issue No: 100 Version Start Date: 08/11/1979 Version End Date: -

ID	Location	Details	
-	1415m S	Status: Active Licence No: 03/28/03/0072 Details: Potable Water Supply - Direct Direct Source: Groundwater Midlands Region Point: SLADE HEATH Data Type: Point Name: South Staffordshire Water Plc Easting: 391800 Northing: 307000	Annual Volume (m^3): 2,387,000 Max Daily Volume (m^3): 14,092 Original Application No: - Original Start Date: 13/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 04/10/2002 Version End Date: -

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

6.7 Surface water abstractions

Records within 2000m **14**

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 106**

ID	Location	Details	
4	284m E	Status: Historical Licence No: 03/28/03/0173 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CALF HEATH - STAFFS AND WORCESTER CANAL Data Type: Line Name: Canal and River Trust Easting: 392010 Northing: 310380	Annual Volume (m^3): 11138 Max Daily Volume (m^3): 855 Original Application No: - Original Start Date: 21/10/1980 Expiry Date: - Issue No: 101 Version Start Date: 18/04/2008 Version End Date: -
E	447m N	Status: Active Licence No: 03/28/03/0124 Details: Non-Evaporative Cooling Direct Source: Surface Water Midlands Region Point: FOUR ASHES - STAFFS & WORCS CANAL Data Type: Point Name: Canal and River Trust Easting: 391740 Northing: 309030	Annual Volume (m^3): 727,360 Max Daily Volume (m^3): 727,360 Original Application No: - Original Start Date: 20/09/1968 Expiry Date: - Issue No: 101 Version Start Date: 18/04/2008 Version End Date: -

ID	Location	Details	
E	447m N	Status: Active Licence No: 03/28/03/0124 Details: Process Water Direct Source: Surface Water Midlands Region Point: FOUR ASHES - STAFFS & WORCS CANAL Data Type: Point Name: Canal and River Trust Easting: 391740 Northing: 309030	Annual Volume (m^3): 727,360 Max Daily Volume (m^3): 727,360 Original Application No: - Original Start Date: 20/09/1968 Expiry Date: - Issue No: 101 Version Start Date: 18/04/2008 Version End Date: -
6	603m S	Status: Historical Licence No: 03/28/03/0210 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: ASPLEY FARM,SLADE HEATH - SAREDON BROOK Data Type: Line Name: SOMERFORD HOME FARM Easting: 391730 Northing: 307810	Annual Volume (m^3): 2500 Max Daily Volume (m^3): 90 Original Application No: - Original Start Date: 29/11/1991 Expiry Date: - Issue No: 100 Version Start Date: 28/04/2008 Version End Date: -
-	713m S	Status: Historical Licence No: 03/28/03/0210 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: ASPLEY FARM, SLADE HEATH - TRIBUTARY OF SAREDON BROOK Data Type: Line Name: SOMERFORD HOME FARM Easting: 391780 Northing: 307630	Annual Volume (m^3): 2500 Max Daily Volume (m^3): 90 Original Application No: - Original Start Date: 29/11/1991 Expiry Date: - Issue No: 100 Version Start Date: 28/04/2008 Version End Date: -
-	1391m W	Status: Historical Licence No: 03/28/03/0147 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOMERFORD PARK- BRANTLEY POOL Data Type: Point Name: MONCKTON Easting: 390320 Northing: 308400	Annual Volume (m^3): 50000 Max Daily Volume (m^3): 1091 Original Application No: - Original Start Date: 15/02/1978 Expiry Date: - Issue No: 101 Version Start Date: 28/04/2008 Version End Date: -
-	1391m W	Status: Historical Licence No: 03/28/03/0147 Details: Transfer Between Sources (Pre Water Act 2003) Direct Source: Surface Water Midlands Region Point: SOMERFORD PARK- BRANTLEY POOL Data Type: Point Name: MONCKTON Easting: 390320 Northing: 308400	Annual Volume (m^3): 50000 Max Daily Volume (m^3): 1091 Original Application No: - Original Start Date: 15/02/1978 Expiry Date: - Issue No: 101 Version Start Date: 28/04/2008 Version End Date: -

ID	Location	Details	
-	1581m E	Status: Historical Licence No: 03/28/03/0186 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: DEEPMORE FARM, FOUR ASHES - STAFFS & WORCESTER CANAL Data Type: Line Name: BRITISH WATERWAYS BOARD Easting: 393370 Northing: 308210	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 08/07/1983 Expiry Date: - Issue No: 100 Version Start Date: 12/09/1986 Version End Date: -
-	1699m NE	Status: Historical Licence No: 03/28/03/0173 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CALF HEATH RESERVOIR Data Type: Point Name: Canal and River Trust Easting: 392640 Northing: 310060	Annual Volume (m^3): 11138 Max Daily Volume (m^3): 855 Original Application No: - Original Start Date: 21/10/1980 Expiry Date: - Issue No: 101 Version Start Date: 18/04/2008 Version End Date: -
-	1759m NE	Status: Historical Licence No: 03/28/03/0173 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: CALF HEATH RESERVOIR Data Type: Point Name: Canal and River Trust Easting: 392920 Northing: 309940	Annual Volume (m^3): 11138 Max Daily Volume (m^3): 855 Original Application No: - Original Start Date: 21/10/1980 Expiry Date: - Issue No: 101 Version Start Date: 18/04/2008 Version End Date: -
-	1777m NE	Status: Historical Licence No: 03/28/03/0248 Details: Mineral Washing Direct Source: Surface Water Midlands Region Point: CALF HEATH RESERVOIR, CANNOCK STAFFS Data Type: Line Name: Canal and River Trust Easting: 393060 Northing: 309840	Annual Volume (m^3): 9000 Max Daily Volume (m^3): 200 Original Application No: - Original Start Date: 24/01/2006 Expiry Date: 31/03/2015 Issue No: 2 Version Start Date: 18/04/2008 Version End Date: -
-	1863m W	Status: Historical Licence No: 03/28/03/0147 Details: Transfer Between Sources (Pre Water Act 2003) Direct Source: Surface Water Midlands Region Point: SOMERFORD PARK- HORSESHOE POOL Data Type: Point Name: MONCKTON Easting: 389850 Northing: 308350	Annual Volume (m^3): 50000 Max Daily Volume (m^3): 1091 Original Application No: - Original Start Date: 15/02/1978 Expiry Date: - Issue No: 101 Version Start Date: 28/04/2008 Version End Date: -

ID	Location	Details	
-	1863m W	Status: Historical Licence No: 03/28/03/0147 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOMERFORD PARK- HORSESHOE POOL Data Type: Point Name: MONCKTON Easting: 389850 Northing: 308350	Annual Volume (m^3): 50000 Max Daily Volume (m^3): 1091 Original Application No: - Original Start Date: 15/02/1978 Expiry Date: - Issue No: 101 Version Start Date: 28/04/2008 Version End Date: -
-	1971m W	Status: Historical Licence No: 03/28/03/0140 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SOMERFORD PARK, BREWOOD - RIVER PENK (2) Data Type: Point Name: Monckton Easting: 389770 Northing: 308110	Annual Volume (m^3): 68,182 Max Daily Volume (m^3): 1,091 Original Application No: - Original Start Date: 25/08/1977 Expiry Date: - Issue No: 103 Version Start Date: 01/04/2019 Version End Date: -

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

6.8 Potable abstractions

Records within 2000m	**1**

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 106**

ID	Location	Details	
-	1415m S	Status: Active Licence No: 03/28/03/0072 Details: Potable Water Supply - Direct Direct Source: Groundwater Midlands Region Point: SLADE HEATH Data Type: Point Name: South Staffordshire Water Plc Easting: 391800 Northing: 307000	Annual Volume (m^3): 2,387,000 Max Daily Volume (m^3): 14,092 Original Application No: - Original Start Date: 13/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 04/10/2002 Version End Date: -

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

6.9 Source Protection Zones

Records within 500m	1

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

Features are displayed on the Abstractions and Source Protection Zones map on **page 106**

ID	Location	Type	Description
1	**On site**	**3**	**Total catchment**

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

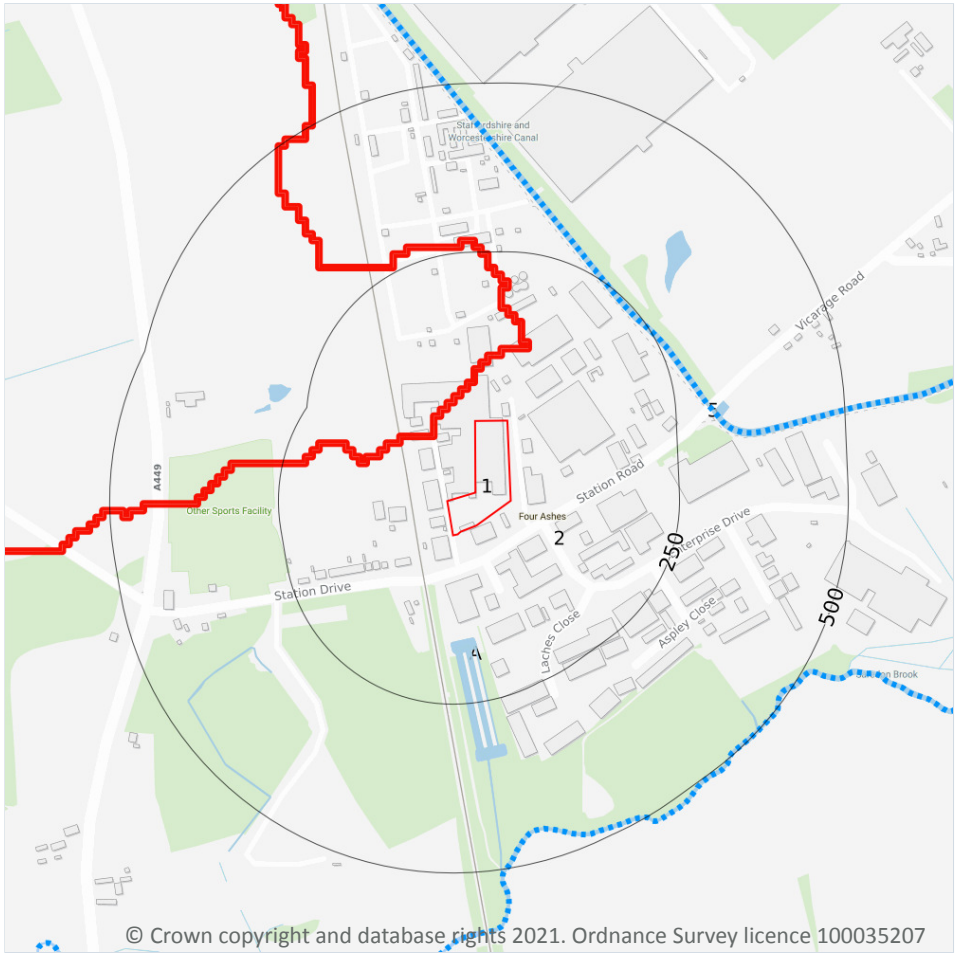
6.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

7 Hydrology



7.1 Water Network (OS MasterMap)

Records within 250m	14

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

Features are displayed on the Hydrology map on **page 117**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	163m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	164m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	164m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	164m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	164m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	164m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	172m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	173m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	173m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	175m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	176m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	236m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	236m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	243m NE	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Staffordshire and Worcestershire Canal

This data is sourced from the Ordnance Survey.

7.2 Surface water features

Records within 250m	2

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

Features are displayed on the Hydrology map on **page 117**

This data is sourced from the Ordnance Survey.

7.3 WFD Surface water body catchments

Records on site	1

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

Features are displayed on the Hydrology map on **page 117**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	**On site**	**River WB catchment**	**Saredon Brook from Source to River Penk**	**GB104028046740**	**Penk Rivers and Lakes**	**Trent Valley Staffordshire**

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

7.4 WFD Surface water bodies

Records identified	2

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

Features are displayed on the Hydrology map on **page 117**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
4	243m NE	Canal	Staffordshire and Worcester Canal, summit to Lower Penn	GB70410266	Moderate	Good	Moderate	2016
11	453m S	River	Saredon Brook from Source to River Penk	GB104028046740	Moderate	Good	Moderate	2016

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

7.5 WFD Groundwater bodies

Records on site	**1**

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

Features are displayed on the Hydrology map on **page 117**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	**On site**	**Staffordshire Trent Valley - PT Sandstone Staffordshire**	**GB40401G300500**	**Poor**	**Poor**	**Poor**	**2015**

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

8 River and coastal flooding

8.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m	0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance).

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

8.2 Historical Flood Events

Records within 250m	0

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

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

8.3 Flood Defences

Records within 250m	0

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

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

8.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

8.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

8.6 Flood Zone 2

Records within 50m	0

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

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

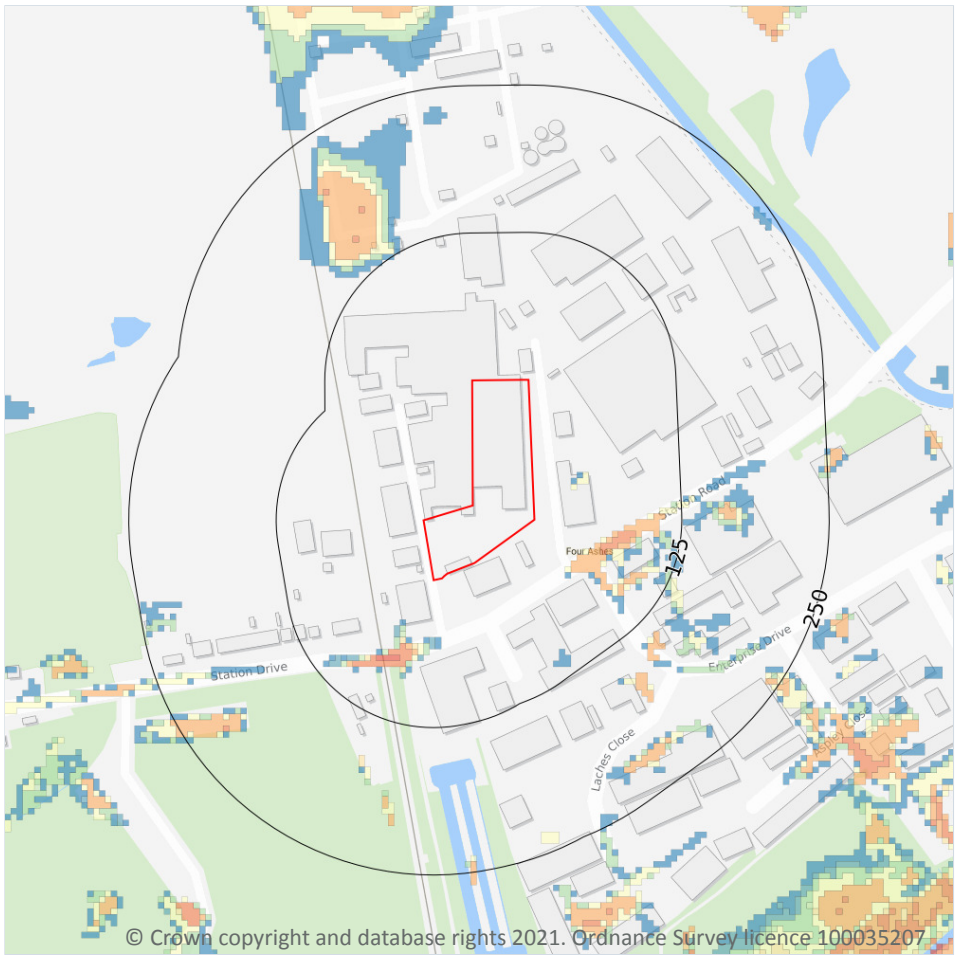
8.7 Flood Zone 3

Records within 50m	0

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

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

9 Surface water flooding



Site Outline
Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

9.1 Surface water flooding

Highest risk on site	**Negligible**
Highest risk within 50m	**1 in 30 year, 0.1m - 0.3m**

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

Features are displayed on the Surface water flooding map on **page 124**

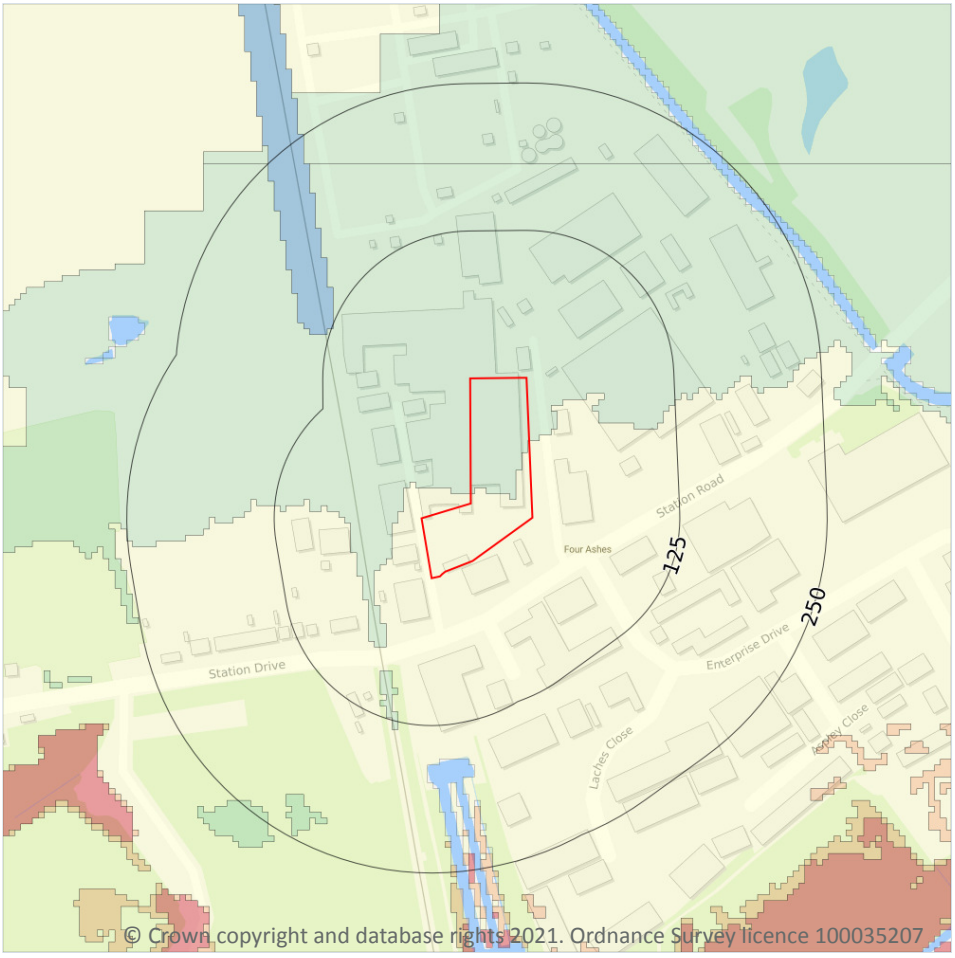
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.

10 Groundwater flooding



Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

10.1 Groundwater flooding

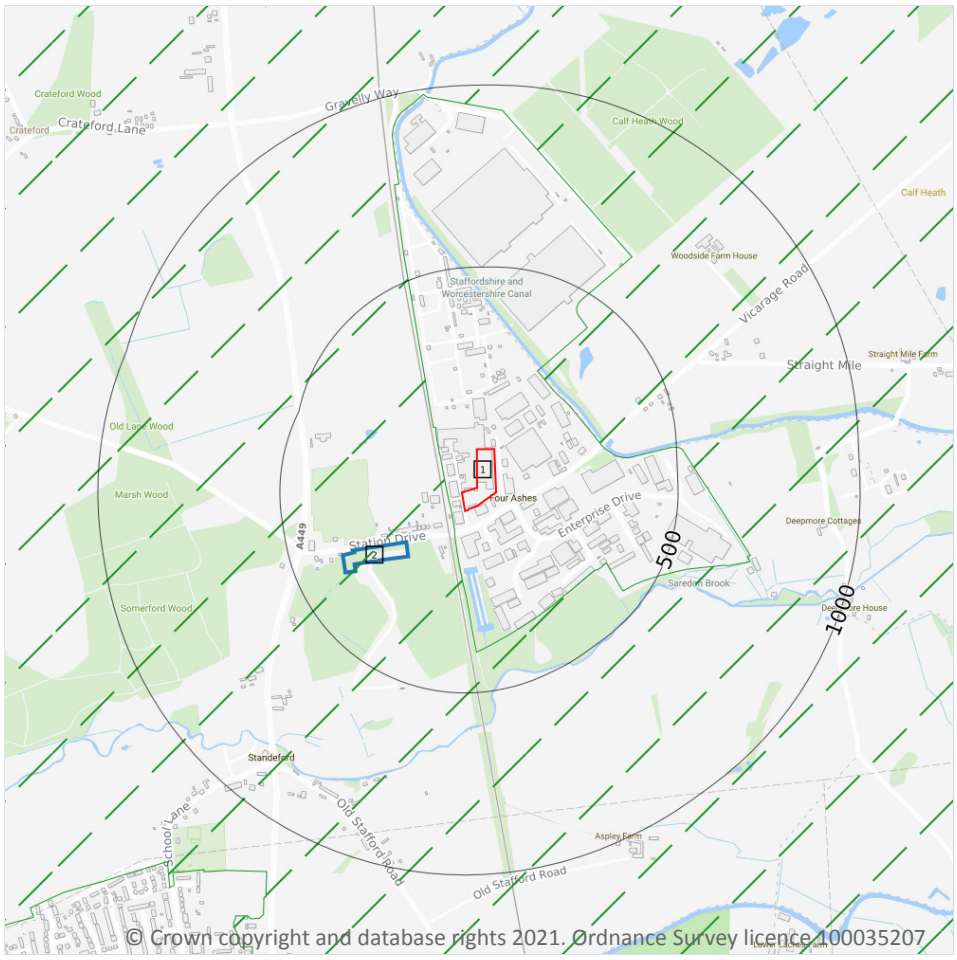
Highest risk on site	**Moderate**
Highest risk within 50m	**Moderate**

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

Features are displayed on the Groundwater flooding map on **page 126**

This data is sourced from Ambiental Risk Analytics.

11 Environmental designations



Site Outline

Search buffers in metres (m)

Sites of Special Scientific Interest (SSSI)

Green Belt

11.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 127**

ID	Location	Name	Data source
2	182m SW	Four Ashes Pit	Natural England

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

11.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

11.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

11.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

11.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

11.6 Local Nature Reserves (LNR)

Records within 2000m	0

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

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

11.7 Designated Ancient Woodland

Records within 2000m	0

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

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

11.8 Biosphere Reserves

Records within 2000m	0

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

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

11.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

11.10 Marine Conservation Zones

Records within 2000m	0

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

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

11.11 Green Belt

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 127**

ID	Location	Name	Local Authority name
1	37m W	Birmingham	South Staffordshire

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

11.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

11.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

11.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

11.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

11.16 Nitrate Vulnerable Zones

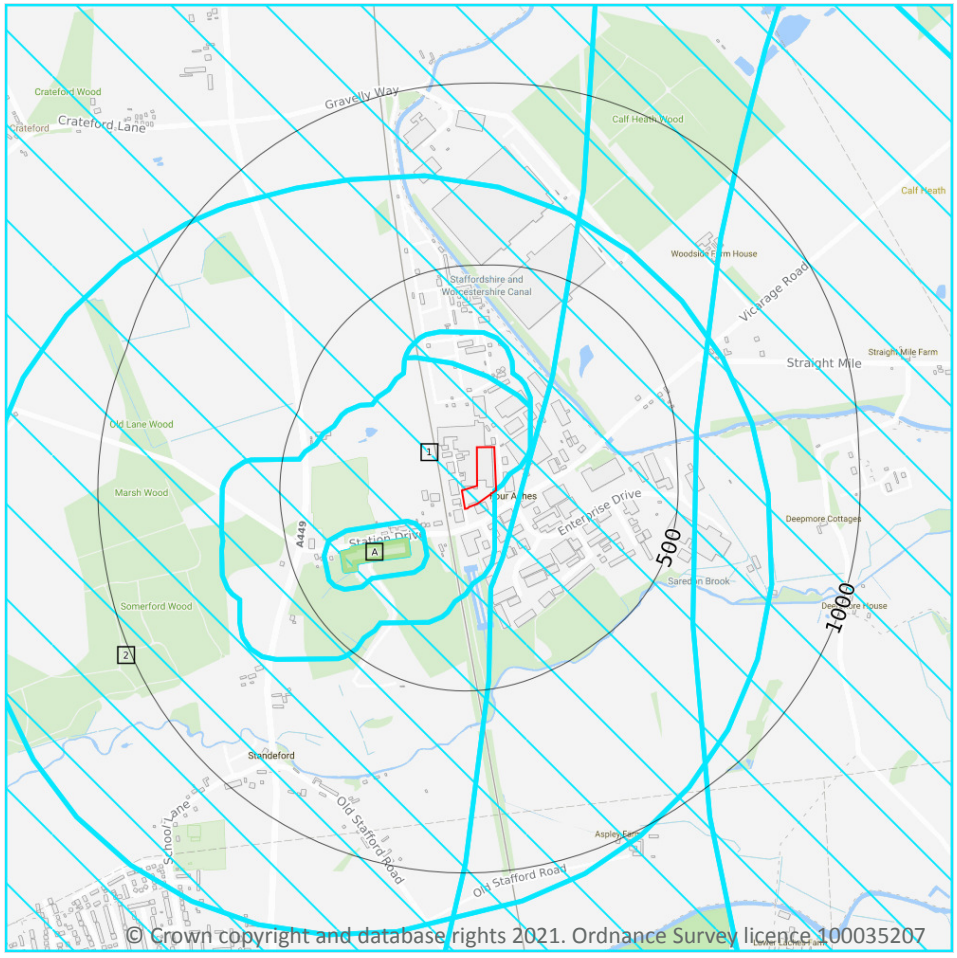
Records within 2000m	2

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

Location	Name	Type	NVZ ID	Status
On site	**Staffordshire**	**Groundwater**	**G30**	**Changed**
On site	**River Trent (source to confluence with Derwent)**	**Surface Water**	**S308**	**Changed**

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

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

11.17 SSSI Impact Risk Zones

Records on site	2

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

Features are displayed on the SSSI Impact Zones and Units map on **page 132**

ID	Location	Type of developments requiring consultation
1	On site	**Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha Residential - Any residential developments with a total net gain in residential units Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons > 750m² & manure stores > 3500t. Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream (NB this does not include discharges to mains sewer which are unlikely to pose a risk at this location). Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply**
2	On site	**Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Residential - Any residential developments with a total net gain in residential units Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons > 750m² & manure stores > 3500t. Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply**

This data is sourced from Natural England.

11.18 SSSI Units

Records within 2000m	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 132**

ID: A
Location: 182m SW
SSSI name: Four Ashes Pit
Unit name: Whole Site
Broad habitat: Earth Heritage
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
ED - Quaternary of Northern England	Favourable	05/09/2013
FB - Quaternary of the Pennines and adjacent areas	Favourable	05/09/2013

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

12 Visual and cultural designations

Site Outline

Search buffers in metres (m)

Listed buildings

Conservation areas

Conservation areas - no data

National Parks

Areas of Outstanding Natural Beauty

Registered parks and gardens

Scheduled Monuments

World Heritage Sites

12.1 World Heritage Sites

Records within 250m	0

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

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

12.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

12.3 National Parks

Records within 250m	0

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

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

12.4 Listed Buildings

Records within 250m	0

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

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

12.5 Conservation Areas

Records within 250m	1

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

Features are displayed on the Visual and cultural designations map on **page 135**

ID	Location	Name	District	Date of designation
1	235m NE	Staffordshire and Worcester Canal	South Staffordshire	unknown

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

12.6 Scheduled Ancient Monuments

Records within 250m	**0**

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

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

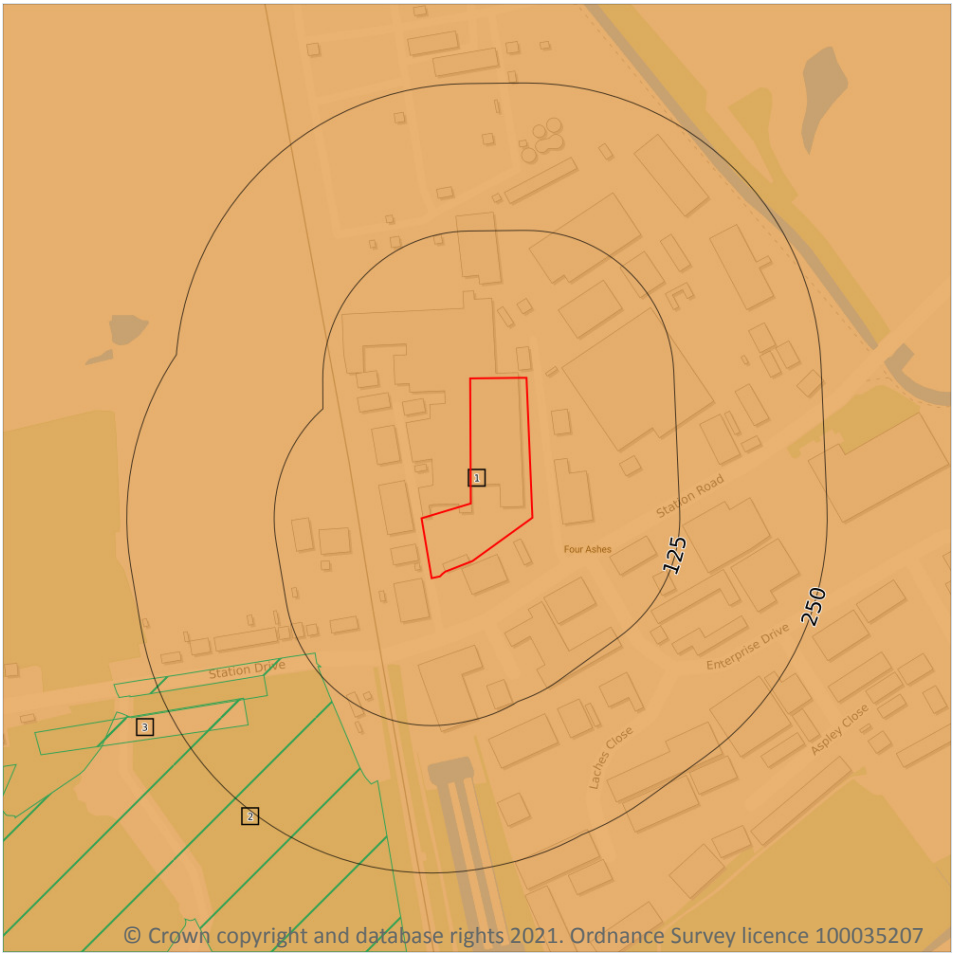
12.7 Registered Parks and Gardens

Records within 250m	**0**

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

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

13 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

13.1 Agricultural Land Classification

Records within 250m	1

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

Features are displayed on the Agricultural designations map on **page 138**

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

This data is sourced from Natural England.

13.2 Open Access Land

Records within 250m	0

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

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

13.3 Tree Felling Licences

Records within 250m	2

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

Features are displayed on the Agricultural designations map on **page 138**

ID	Location	Description	Reference	Application date
2	118m SW	Selective Fell/Thin (Unconditional)	015/257/17-18	16/02/2018
3	189m SW	Selective Fell/Thin (Unconditional)	018/38/13-14	01/05/2013

This data is sourced from the Forestry Commission.

13.4 Environmental Stewardship Schemes

Records within 250m	1

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

Location	Reference	Scheme	Start Date	End date
151m NW	AG00450694	Entry Level Stewardship	01/10/2013	30/09/2018

This data is sourced from Natural England.

13.5 Countryside Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

14 Habitat designations

Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks

Primary Habitat
Restorable Habitat
Associated Habitats
Habitat Restoration-Creation
Network Enhancement Zone 1
Network Enhancement Zone 2

14.1 Priority Habitat Inventory

Records within 250m	5

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

Features are displayed on the Habitat designations map on **page 141**

ID	Location	Main Habitat	Other habitats
1	79m S	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
2	138m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	139m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	226m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	239m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

14.2 Habitat Networks

Records within 250m	0

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

This data is sourced from Natural England.

14.3 Open Mosaic Habitat

Records within 250m	0

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

This data is sourced from Natural England.

14.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

Data providers

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

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: https://www.groundsure.com/terms-and-conditions-jan-2020/.

Appendix G: Tables

Table A: Current Industrial Land Uses

Land Use	Distance and Direction	Activity and Category	Substances Potentially Present	Potential RHS Y/N
Mast	0 m west	Telecommunications Features/Industrial Products	n/a	N
Boundary Services Ltd	24 m southeast	Fences, Gates and Railings/Industrial Products	Metals, paints, solvents	Y
Fence Tech Midlands Ltd	24 m southeast	Fences, Gates and Railings/Industrial Products	Metals, paints, solvents	Y
Plant & Vehicle Hires & sales	25 m southeast	Construction and Tool Hire/Hire Services	Fuel oils, petrol, diesel	Y
Industrial Estate	28 m west	Business Parks and Industrial Estates/Industrial features	n/a	N
Four Ashes MOT Centre	30 m east	Vehicle Repair, testing and Services/Repair and Servicing	Fuel oils, lubricating oil, petrol, diesel, solvents,	Y
OSF Ltd	30 m east	Fences, Gates and Railings/Industrial Products	Metals, paints, solvents	Y
South Staffs Carbide Tools Ltd	41 m north	Tools including Machine Shops/Industrial Products	Fuel oils, petrol, diesel	Y
Electricity Substation	43 m west	Electrical features/Infrastructure and Facilities	PCBs, TPHs, PAHs, VOC/SVOCs	Y
Electricity Substation	46 m northeast	Electrical features/Infrastructure and Facilities	PCBs, TPHs, PAHs, VOC/SVOCs	Y
Tank	49 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Electricity Substation	50 m west	Electrical features/Infrastructure and Facilities	PCBs, TPHs, PAHs, VOC/SVOCs	Y
Industrial Estate	61 m east	Business Parks and Industrial Estates/Industrial features	n/a	N
Electricity Substation	62 m north	Electrical features/Infrastructure and Facilities	PCBs, TPHs, PAHs, VOC/SVOCs	Y
Spillard	64 m southeast	Special Purpose Machinery and Equipment/Industrial Products	Fuel oils, petrol, diesel, Lubricants, Solvents	Y
Tank	67 m southeast	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Tank	68 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
ACT	75 m southeast	General Construction Supplies/Industrial Products	Metals, paints, solvents, fuel oils, petrol, diesel	Y
GNR Metals Ltd	77 m northeast	Scrap Metal Merchants/Recycling Services	Metals, fuel oils, petrol, diesel	Y
Electricity Substation	77 m southeast	Electrical features/Infrastructure and Facilities	PCBs, TPHs, PAHs, VOC/SVOCs	Y

Land Use	Distance and Direction	Activity and Category	Substances Potentially Present	Potential RHS Y/N
Morris Site Machinery	84 m south	Cutting, Drilling and Welding Services/Construction Services	Metals, fuel oils, petrol, diesel	Y
Tank	88 m south	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
PCP Gratings Ltd	91 m east	Metalworkers including Blacksmiths/Construction Services	Metals, paints, solvents	Y
Countrywide Driveline	91 m northwest	Vehicles/Industrial	Fuel oils, petrol, diesel	Y
Tank	92 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Coventya	92 m east	Colours, Chemicals and Water Softeners and Supplies/Industrial Products	Dyes, inks, chlorinated solvents, TPHs, PAHs, VOCs/SVOCs	Y
The Caravan Service Centre	102 m southeast	Sports and Leisure Equipment Repair/Repair and Servicing	Fuel oils, petrol, diesel	Y
Enviro Engineering Midlands Ltd	111 m southeast	Hydraulic Engineers/Engineering Services	Hydraulic fluids, solvents, fuel oils, petrol, diesel	Y
Electricity Substation	111 m southeast	Electrical features/Infrastructure and Facilities	PCBs, TPHs, PAHs, VOC/SVOCs	Y
Nasa Plant Repair Services Ltd	114 m southeast	Industrial Repairs and Servicing/Repair and Servicing	Fuel oils, petrol, diesel	Y
Brunch Bite Ltd	122 m southeast	Catering and Non-Specific Food Products/Foodstuffs	n/a	N
Tank	127 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Industrial Estate	128 m southeast	Business Parks and Industrial Estates/Industrial features	n/a	N
Tank	129 m northwest	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Tank	131 m northwest	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
United Bright Bar Ltd	135 m north	Metals Manufacturers, Fabricators and Stockholders/Industrial products	Metals, paints, chlorinated solvents, fuel oils, petrol, diesel	Y
Rolls Freight	136 m southeast	Distribution and Haulage/Transport Storage and Delivery	Fuel oils, petrol, diesel	Y
EDS Worldwide	136 m southeast	Distribution and Haulage/Transport Storage and Delivery	Fuel oils, petrol, diesel	Y
Power Electrics Ltd	152 m southeast	Electrical Equipment Repair and Servicing/Repair and Servicing	Fuel oils, lubricants, petrol, diesel, solvents,	Y
Liquide	160 m southeast	Medical Equipment, Supplies and Pharmaceuticals	Solvents and inorganics	Y

Land Use	Distance and Direction	Activity and Category	Substances Potentially Present	Potential RHS Y/N
MDS	161 m southeast	Distribution and Haulage/Transport, Storage and Delivery	Fuel oils, petrol, diesel	Y
Chimney	161 m north	Chimneys/Industrial Feature	PAHs, dioxins, furans	Y
Advanced Flooring Solutions Ltd	166 m east	Construction Completion Services/Construction Services	Metals, paints, solvents, fuel oils, petrol, diesel	Y
HC Two 2 Ltd	167 m southeast	Rubber, Silicone and Plastics/Industrial Products	Rubbers, preservatives, vulcanising agents, antioxidants, oils, heavy metals, waxes, pigments, solvents, PAHs[20]	Y
Tank	182 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Tank	189 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Tank	190 m northwest	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
West Midland American Vehicles Ltd	190 m southeast	Vehicle Parts and Accessories/Motoring	Fuel oils, petrol, diesel	Y
Tank	191 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Tank	192 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Tank	194 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Electricity Substation	194 m southeast	Electrical features/Infrastructure and Facilities	PCBs, TPHs, PAHs, VOC/SVOCs	Y
Tank	196 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Tank	196 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Tank	201 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Tank	209 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Works	209 m northeast	Unspecified Works or Factories/Industrial Feature	Metals, TPHs, PAHs, inorganics	Y
Calibre Industrial Park	211 m southeast	Business Parks and Industrial Estates/Industrial features	n/a	N
Tank	215 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Tank	218 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y

[20] Department of Environment Industry Profile, Rubber Processing Works, 1995

Land Use	Distance and Direction	Activity and Category	Substances Potentially Present	Potential RHS Y/N
Tank	222 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Electricity Substation	224 m north	Electrical features/Infrastructure and Facilities	PCBs, TPHs, PAHs, VOC/SVOCs	Y
Tank	228 m northwest	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Electricity Substation	230 m southeast	Electrical features/Infrastructure and Facilities	PCBs, TPHs, PAHs, VOC/SVOCs	Y
Tank	231 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y
Rosch Engineering	231 m southeast	Precision Engineers/Engineering Services	Metals, paints, solvents, fuel oils, petrol, diesel	Y
Lion FPG	244 m southeast	Published Goods/Industrial Products	n/a	N
Tank	249 m north	Tanks (Generic)/ Industrial Features	Fuel oils, petrol, diesel	Y

Table B: Historical Industrial Land Uses

Land Use	Distance and Direction	Dates Present	Substances Potentially Present	Potential RHS Y/N
Chemical Works	On-site	1924	Heavy metals, TPHs, PAHs, VOC/SVOCs, solvents, chlorinated solvents, phenols, acids, alkalis, inorganics, alcohols	Y
Unspecified Works	On-site	1978	Heavy metals, TPHs, PAHs, VOC/SVOCs, inorganics, asbestos	Y
Unspecified Works	On-site	1994		
Chimney	5 m north	1988	PAHs, dioxins, furans	Y
Chimney	5 m north	1978		
Chimney	5 m north	1994		
Engineering Works	14 m east	1988	Hydraulic fluids, solvents, fuel oils, petrol, diesel	Y
Engineering Works	14 m east	1978		
Unspecified Tank	17 m south	1924	Fuel oils, petrol, diesel	Y
Unspecified Factory	19 m northeast	1967	Heavy metals, TPHs, PAHs, VOC/SVOCs, inorganics, asbestos	Y
Unspecified Tank	26 m south	1924	Fuel oils, petrol, diesel	Y
Railway Sidings	30 m west	1924	Fuel oils, PCBs, PAHs, solvents, creosote, herbicides, heavy metals and asbestos	Y
Railway Sidings	30 m west	1900		
Railway Sidings	30 m west	1924		
Railway Sidings	30 m west	1967		
Railway Sidings	36 m west	1988		
Railway Sidings	36 m west	1978		
Railway Sidings	36 m west	19994		
Railway Sidings	42 m west	1954		
Chemical Works	46 m northeast	1924	Heavy metals, TPHs, PAHs, VOC/SVOCs, solvents, chlorinated solvents, phenols, acids, alfakis, inorganics, alcohols	Y
Railway Building	46 m west	1924	Fuel oils, PCBs, PAHs, solvents, creosote, herbicides, heavy metals and asbestos	Y
Chemical Works	49 m east	1924	Heavy metals, TPHs, PAHs, VOC/SVOCs, solvents, chlorinated solvents, phenols, acids, alfakis, inorganics, alcohols	Y
Railway Building	52 m northwest	1924	Fuel oils, PCBs, PAHs, solvents, creosote, herbicides, heavy metals and asbestos	Y
Railway Station	55 m southwest	1967		
Railway Building	58 m west	1924		

Land Use	Distance and Direction	Dates Present	Substances Potentially Present	Potential RHS Y/N
Railway Station	59 m southwest	1900		
Railway Station	60 m southwest	1954		
Railway Station	61 m southwest	1924		
Unspecified Tanks	62 m north	1988	Fuel oils, petrol, diesel	Y
Unspecified Tanks	62 m north	1978		
Unspecified Tanks	62 m north	1994		
Railway Station	66 m southwest	1924	Fuel oils, PCBs, PAHs, solvents, creosote, herbicides, heavy metals and asbestos	Y
Timber Yard	75 m east	1994	Preservatives, adhesives, resins, pigments, solvents, PAHs, fuel oils[21]	Y
Timber Yard	76 m east	1988		
Timber Yard	76 m east	1978		

Table C: Historical Landfill Sites

Land Use	Distance and Direction	Dates Present	Waste Type	Substances Potentially Present	Potential RHS Y/N
A Adams and Sons Transport (Shareshill) Limited	126 m southwest	1991-1996	Inert	Heavy metals, inorganics, TPHs, PAHs, asbestos	Y
Redlands Aggregates Limited	250 m northeast	1982-1990	Inert		
Redlands Aggregates Limited	320 m east	1982-1990	Inert		

Table D: Historical Waste Sites

Land Use	Distance and Direction	Dates Present	Substances Potentially Present	Potential RHS Y/N
Food Waste De-packaging	On-site	24/10/2011	Organic/inorganic laboratory chemicals,	Y
Recycling Facility (Conversion)	1 m east	n/a	Heavy metals, inorganics, TPHs, PAHs	Y
Scrap Yard	389 m east	1985	Fuel Oils, Heavy Metals	Y
Scrap Yard	389 m east	1988	Fuel Oils, Heavy Metals	Y

[21] Department of Environment Industry Profile, Timber Products Manufacturing Works, 1995

Table E: Licensed Waste Sites

Land Use	Distance and Direction	Dates Present	Annual Tonnage	Status	Substances Potentially Present	Potential RHS Y/N
Metal recycling Site (mixed MRS's)	20 m north	2002	4,999	Issued	Fuel Oils, Heavy Metals	Y
Household, Commercial and Industrial Waste Transfer Station	48 m north	2010	75,000	Modified	Heavy metals, inorganics, TPHs, PAHs, fuel oils, asbestos	Y
Household, Commercial and Industrial Waste Transfer Station	48 m north	2010	0	Surrendered		Y
Household, Commercial and Industrial Waste Transfer Station	48 m north	2010-2019	0	Surrendered		Y
Metal recycling Site (mixed MRS's)	77 m northwest	2002-2017	24,999	Modified	Fuel Oils, Heavy Metals	Y
Vehicle Depollution	101 m west	2010-2011	4,999	Revoked	Fuel oils, diesel, petrol, lubricants, heavy metals	Y
Material Recycling Treatment Facility	103 m southeast	1995-2000	75,000	Surrendered	Heavy metals, inorganics, TPHs, PAHs, fuel oils	Y
Household, Commercial and Industrial Waste Transfer Station	108 m southeast	1988	1,640	Issued	Heavy metals, inorganics, TPHs, PAHs, fuel oils, asbestos	Y
Material Recycling Treatment Facility – Rubber Shredding Unit	188 m northeast	1991	24,999	Issued	Rubbers, preservatives, vulcanising agents, antioxidants, oils, heavy metals, waxes, pigments, solvents, PAHs	Y
Material Recycling Treatment Facility	189 m northeast	1991-2019	74,999	Modified	Heavy metals, inorganics, TPHs, PAHs, fuel oils	Y
Material Recycling Treatment Facility	189 m northeast	1991	0	Modified		Y
Material Recycling Treatment Facility	189 m northeast	1991	0	Modified		Y
Material Recycling Treatment Facility	189 m northeast	1991	0	Modified		Y
Clinical Waste Transfer Station	197 m east	2002	24,999	Issued	Solvents, acids, alkalis, Organic/ inorganic laboratory chemicals	Y
Clinical Waste Transfer Station	197 m east	2000-2002	1,807	Surrendered		Y
Clinical Waste Transfer Station	197 m east	2002-2004	24,999	Transferred		Y
Clinical Waste Transfer Station	197 m east	2002-2004	24,999	Transferred		Y

Land Use	Distance and Direction	Dates Present	Annual Tonnage	Status	Substances Potentially Present	Potential RHS Y/N
Clinical Waste Transfer Station	197 m east	2002-2004	24,999	Issued		Y
Clinical Waste Transfer Station	197 m east	2002-2004	24,999	Transferred		Y
Clinical Waste Transfer Station	197 m east	2002-2004	24,999	Transferred		Y