Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Adler & Allan Limited

Worsley Waste Transfer Facility

3 Harcourt Street

Worsley

Manchester

M28 3GN

Variation application number

EPR/NP3234LD/V006

Permit number

EPR/NP3234LD

Worsley Waste Transfer Facility
Permit number EPR/NP3234LD

Introductory note

This introductory note does not form a part of the permit

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. All the conditions of the permit have been varied and are subject to the right of appeal.

This permit variation has been issued to implement guidance “Chemical waste: appropriate measures for permitted facilities” and “non-hazardous and inert waste: appropriate measures for permitted facilities”.

Changes introduced by this variation notice/statutory review

The Industrial Emissions Directive (IED) came into force on 7 January 2014 with the requirement to implement all relevant Best Available Techniques (BAT) Conclusions as described in the Commission Implementing Decision. Article 21(3) of the IED requires the Environment Agency to review conditions in permits that it has issued and to ensure that the permit delivers compliance with relevant standards, within four years of the publication of updated decisions on Best Available Techniques (BAT) Conclusions. The BAT Conclusions for Waste Treatment (the BREF) was published on 17 August 2018 following a European Union wide review of BAT, implementing decision (EU) 2018/1147 of 10 August 2018.

On 18 November 2020, Chemical waste: appropriate measures for permitted facilities guidance was published on gov.uk. On 12th July 2021, non-hazardous and inert waste: appropriate measures for permitted facilities guidance was published on gov.uk. The guidance explains the standards that are relevant to regulated facilities with an environmental permit to treat or transfer chemical waste, providing indicative BAT for those sites.

This permit variation has been issued to update some of the conditions following a statutory review of the permits in the chemical waste treatment and transfer sector and non-hazardous waste treatment and transfer sector and to implement the appropriate measures guidance. The opportunity has also been taken to consolidate the original permit and subsequent variations where appropriate.

Brief description of the process

The regulated facility comprises:

- treatment of hazardous waste;
- repackaging of hazardous waste;*
- temporary storage of hazardous waste;
- tanker washing;
- raw material storage;
- repackaging of non-hazardous waste;*
- temporary storage of non-hazardous waste.

Treatment of waste includes:

- recovery of waste oils and oil contaminated wastes by gravity settlement.

*the acceptance of waste packages, drums and IBCs for storage and repackaging, and repackaging activities AR3 and AR7 are temporarily suspended pending completion of pre-operational condition PO1.

The site is located within a mixed residential area at National Grid Reference SD7361404310 on Harcourt Street, Worsley. The site is bounded by Harcourt Street to the east, with industrial units beyond. An empty plot borders the site to the north with residential properties beyond, while residential properties and a public house form the western boundary. Lansdale Street, with industrial units beyond, forms the southern site boundary. Manchester Mosses SAC is located within our screening distances to the southwest of the site. Several local wildlife sites are present nearby – the closest is ~200m to the southeast.

The facility collects and treats waste oils for recovery (Section 5.3 Part A(1)(a)(ii)). Oil is recovered via oil water separation by gravity settlement and sent off-site for further treatment. Additional Directly Associated Activities (DAA) include effluent treatment and road tanker washing.

A waste transfer activity carried out on site is limited to storage and physical sorting and segregation of hazardous and non-hazardous wastes. The hazardous waste activities are permitted as section 5.3 Part A(1)(a)(iv) and Section 5.6 Part A(1)(a) activities, whilst the non-hazardous waste transfer activities are permitted as waste operations.

Emissions to air from the facility comprise emissions of VOCs from the storage and treatment of waste oils in bulk storage tanks.

Effluent from site run off, road tanker washing and from the oil water separation process is discharged under the control of a Trade Effluent Discharge Consent to the public sewer, following passage through an oil/water separator. This effluent is subjected to further treatment at the Bolton WasteWater Treatment Works operated by United Utilities prior to discharge to the River Irwell.

Wastes produced by the facility include oil sludge. Waste management procedures are in place to control the storage and handling of wastes in such a way as to minimise local impacts and facilitate recycling or recovery where possible.

The facilities are managed using an environmental management system certified to BS EN ISO 14001.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	**Date**	**Comments**
Application EPR/NP3234LD	Duly made 30/01/2007	
Additional Information Received	10/07/2007	Response 27/07/2007
Permit issued EPR/NP3234LD/V001	28/09/2007	Permit issued for Worsley Waste Transfer Facility
Variation notice YP3837UH issued (NP3234LD/V002)	04/10/2007	
EA led variation EPR/NP3234LD/V003 (variation and consolidation)	Approved 20/08/2013	EA led variation to vary and update the permit to modern conditions.
Variation determined EPR/NP3234LD/V003	12/12/2013	Varied and consolidated permit issued in modern condition format
Application EPR/NP3234LD/V004	Duly made 31/03/2015	
Variation determined EPR/NP3234LD/V004 (Billing ref: NP3735AY)	05/05/2016	Varied and consolidated permit issued in modern condition format to comply with IED stipulations.
Application EPR/NP3234LD/V005	Duly made 14/06/2017	Administrative variation to add waste code 20 03 03 to Table S2.4.

Status log of the permit		
Description	**Date**	**Comments**
Variation determined EPR/NP3234LD/V005	25/07/2017	
Permit Review - Application (variation and consolidation) EPR/NP3234LD/V006	Environment Agency Initiated Variation	Statutory review of permit occasioned by Waste Treatment BAT Conclusions published on 17 August 2018 and Chemical waste: appropriate measures for permitted facilities published 18 November 2020 and Non-hazardous and inert waste: appropriate measures for permitted facilities published 12 July 2021.
Permit review - Regulation 61 Notice sent to operator	17/11/2021	Regulation 61 Notice requiring information for statutory review of permit.
Permit review - Regulation 61 Notice response	27/02/2022	Response received from the operator.
Additional information received in response to Request for further information (RFI) dated 16/09/2024.	15/10/2024	Response to RFI containing information regarding compliance with the appropriate measures guidance, EWC waste codes, activity descriptions, compliance with emission limits and monitoring, storage and treatment capacities.
Additional information received in response to Request for further information (RFI) dated 15/01/2025	21/02/2025	Response to RFI containing information regarding further descriptions of permitted activities, review of EWC waste codes accepted, Tank used for treatment and further information regarding storage and treatment capacities and H1 assessment.
Additional information received in response to Request for further information (RFI) dated 16/04/2025	01/05/2025	Response to RFI regarding site plan, compliance with general measures, tank washing, oil treatment and repackaging of waste oils.
Additional information received in response to Request for further information (RFI) dated 17/06/2025	25/07/2025	Confirmation of oil treatment and hazardous aqueous treatment process and revised site plan (emission points).
Environment Agency Waste Treatment Sector Review Permit reviewed Variation determined EPR/NP3234LD/V006	20/08/2025	Varied and consolidated permit issued.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

Permit number

EPR/NP3234LD10

Issued to

Adler & Allan Limited ("the operator")

whose registered office is

80 Station Parade
Harrogate
North Yorkshire
HG1 1HQ

company registration number 00318460

to operate a regulated facility at

Worsley Waste Transfer Facility
3 Harcourt Street
Worsley
Manchester
M28 3GN

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Anne Lloyd	**20/08/2025**

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of an Environment Agency initiated variation.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/NP3234LD

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/NP3234LD/V006 authorising,

Adler & Allan Limited ("the operator"),

whose registered office is

80 Station Parade
Harrogate
North Yorkshire
HG1 1HQ

company registration number **00318460**

to operate an installation at

Worsley Waste Transfer Facility
3 Harcourt Street
Worsley
Manchester
M28 3GN

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Anne Lloyd	**20/08/2025**

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

(a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and

(b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

1.2.1 For the following activities referenced in schedule 1, table S1.1 AR1 to AR6 the operator shall:

(a) take appropriate measures to ensure that energy is used efficiently in the activities;

(b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and

(c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 For the following activities referenced in schedule 1, table S1.1 AR1 to AR6 the operator shall:

(a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;

(b) maintain records of raw materials and water used in the activities;

(c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and

(d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

1.4.1 The operator shall take appropriate measures to ensure that:

(a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and

(b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and

(c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the "activities").

2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in red on the site plan at schedule 7 to this permit.

2.3 Operating techniques

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.4 Waste shall only be accepted if:

(a) it is of a type and quantity listed in schedule 2 tables S2.2, S2.3, S2.4, S2.5 and;

(b) it conforms to the description in the documentation supplied by the producer and holder.

2.3.5 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

(a) the nature of the process producing the waste;

(b) the composition of the waste;

(c) the handling requirements of the waste;

(d) the hazardous property associated with the waste, if applicable; and

(e) the waste code of the waste.

2.3.6 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Hazardous waste storage and treatment

2.4.1 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

2.5 Improvement programme

2.5.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.5.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

2.6 Pre-operational conditions

2.6.1 The operations specified in schedule 1 table S1.4 shall not recommence until the measures specified in that table have been completed.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.

3.1.2 The limits given in schedule 3 shall not be exceeded.

3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;

(b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.3.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;

(b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.4.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;

(b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:

(a) point source emissions specified in tables S3.1, S3.2 and S3.3;

(b) process monitoring specified in table S3.4

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.6.2 The operator shall:

(a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;

(b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.7 Fire prevention

3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.

3.7.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;

(b) implement the fire prevention plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

(a) be legible;

(b) be made as soon as reasonably practicable;

(c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and

(d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:

(i) off-site environmental effects; and

(ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 For the following activities referenced in schedule 1, table S1.1 AR1 to AR6 a report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

(a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;

(b) the annual production/treatment data set out in schedule 4 table S4.2; and

(c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

(a) in respect of the parameters and emission points specified in schedule 4 table S4.1;

(b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and

(c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

4.3.1 In the event:

(a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—

(i) inform the Environment Agency,

(ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and

(iii) take the measures necessary to prevent further possible incidents or accidents;

(b) of a breach of any permit condition the operator must immediately—

(i) inform the Environment Agency, and

(ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;

(c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

(a) any change in the operator's trading name, registered name or registered office address; and

(b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

(a) any change in the operator's name or address; and

(b) any steps taken with a view to the dissolution of the operator.

In any other case:

(a) the death of any of the named operators (where the operator consists of more than one named individual);

(b) any change in the operator's name(s) or address(es); and

(c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

(a) the Environment Agency shall be notified at least 14 days before making the change; and

(b) the notification shall contain a description of the proposed change in operation.

4.3.6 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
AR1	Section 5.3 Part A (1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	Treatment of hazardous waste oils by gravity settlement R3: Recycling/reclamation of organic substances which are not used as solvents	From treatment of waste oils by gravity settlement and phase separation in tank T2 to storage of waste oils in tank S1 prior to transfer off-site for further recovery and disposal of waste waters via foul sewer. No more than 104 tonnes per day of hazardous waste shall be treated in aggregate with AR2. The following wastes shall not be blended or mixed: • wastes which react with one another • wastes which could be recovered with other wastes if this means that the waste must now be sent for disposal or a lower form of recovery • oils where this could negatively affect their regeneration or recycling • waste to deliberately dilute it Treatment shall take place in Tank T2 on an impermeable surface with sealed drainage. Treated waste (treated waste oils or sludges) shall be stored in storage tanks or IBCs prior to transfer off-site on an impermeable surface with sealed drainage for no longer than 6 months. No more than 337.5 tonnes of hazardous liquids wastes shall be stored in the tanks at any one time and no more than a total of 487.5 tonnes of non-hazardous and hazardous wastes shall be stored on site at any one time. No waste types shall be submitted to this activity other than those wastes specified in schedule 2, table S2.2.
AR2	Section 5.3 Part A (1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	Treatment of hazardous aqueous waste by gravity settlement D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12	From treatment of hazardous aqueous waste by gravity settlement and phase separation in tank T2 to storage of waste oils in tank S1 prior to transfer off-site for further recovery and disposal of waste waters via foul sewer. No more than 104 tonnes per day of hazardous waste shall be treated in aggregate with AR1.

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
			The following wastes shall not be blended or mixed: • wastes which react with one another • wastes which could be recovered with other wastes if this means that the waste must now be sent for disposal or a lower form of recovery • oils where this could negatively affect their regeneration or recycling • waste to deliberately dilute it Antifreeze can be combined with oily waste/waste oils for disposal in accordance with the restrictions on blending and mixing waste listed above. Treatment shall take place in Tank T2 on an impermeable surface with sealed drainage. Treated waste (treated waste oils or sludges) shall be stored in storage tanks or IBCs prior to transfer off-site on an impermeable surface with sealed drainage for no longer than 6 months. No more than 337.5 tonnes of hazardous liquids wastes shall be stored in the tanks at any one time and no more than a total of 487.5 tonnes of non-hazardous and hazardous wastes shall be stored on site at any one time. No waste types shall be submitted to this activity other than those wastes specified in schedule 2, table S2.3.
AR3	Section 5.3 Part A (1)(a)(iv) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving repackaging	Manual sorting, segregation and repackaging (including bulking) of hazardous wastes R12 Exchange of waste for submission to any of the operations numbered R1 to R11 (repackaging). D14: Repackaging prior to submission of any of the operations numbered D1 to D13	From receipt of waste to repackaging of waste. The operator shall not repackage waste in packages, drums or IBCs until pre-operational condition PO1 has been completed. Repackaging is limited to: • taking a waste package (for example a bag, jar, drum or box) out of one cart or bulk container (for example a skip) and placing it into another cart or bulk container (for example, a skip) • taking a waste package from a cart or bulk container (for example, skip) and placing it onto a pallet or vehicle

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
			• taking a waste package from a pallet and placing it into a cart or bulk container (for example, skip) • transferring, removing or separating waste from its primary packaging (for example container, bags, bins, boxes). Wastes that are combined together during repackaging activities shall be materially the same and not change the waste's chemical composition or characteristics. Repackaging shall take place in a dedicated area on an impermeable surface with sealed drainage. Repackaging of waste shall not change either the maximum storage times for waste on site or the amount that can be stored at any one time. No waste types shall be submitted to this activity other than those hazardous wastes specified in schedule 2, table S2.4.
AR4	Section 5.6 Part A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.	Temporary storage of hazardous waste pending recovery or disposal. R13: Storage of waste pending any of the operations numbered R01 to R12 (excluding temporary storage, pending collection, on the site where it is produced) D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	From receipt and storage of hazardous waste on site to its treatment or repackaging on site; or its transfer off-site. Hazardous waste oil shall be stored in tanks T1, T2, R1, R2, S1, S2, S3, S4 and E shown in figure 2 in schedule 7 on an impermeable surface with sealed drainage. The operator shall not store waste in packages, drums or IBCs until pre-operational condition PO1 has been completed. The total amount of hazardous liquid wastes stored in tanks at any one time shall not exceed 337.5 tonnes. The total amount of packaged non-hazardous and hazardous wastes (stored in packages, IBCs or drums) shall not exceed 150 tonnes at any time. The total amount of waste stored on site shall not exceed 487.5 tonnes at any one time. All wastes shall be stored on site for no longer than 6 months. Notwithstanding the limits given above where a shorter storage time period is given in an agreed management plan

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
			then that time period shall take precedence. No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Table S2.4.
Directly Associated Activity			
AR5	Surface and process water collection, storage and discharge	Collection and discharge of process effluent and contaminated surface water to sewer	From the collection of site surface water and process effluent from treatment of hazardous waste oils, aqueous wastes and cleaning of road tankers in tank E, to discharge to foul sewer via an oil/water interceptor or transfer off-site for disposal or recovery.
		Discharge of clean site surface water	From collection of site surface water to discharge to surface water sewer via an oil/water separator.
AR6	Road tanker washing	Cleaning of road tankers delivering hazardous waste to the site.	Washing out of road tankers delivering waste to the site. Washing out of road tankers only permitted to nominally empty road tankers carrying wastes with flash points ≥ 23°C. The washing of road tankers shall be carried out on an impermeable surface with sealed drainage. Wash waters shall be collected prior to discharge to foul sewer.
Waste Operations			
Activity reference	**Description of activities for waste operations**	**Limits of activities**	
AR7	Manual sorting, segregation and repackaging of non-hazardous wastes R12 Exchange of waste for submission to any of the operations numbered R1 to R11 (repackaging). D14: Repackaging prior to submission of any of the operations numbered D1 to D13	From receipt of waste to repackaging of waste. The operator shall not repackage waste in packages, drums or IBCs until pre-operational condition PO1 has been completed. Repackaging is limited to: • taking a waste package (for example a bag, jar, drum or box) out of one cart or bulk container (for example a skip) and placing it into another cart or bulk container (for example, a skip) • taking a waste package from a cart or bulk container (for example, skip) and placing it onto a pallet or vehicle • taking a waste package from a pallet and placing it into a cart or bulk container (for example, skip) • transferring, removing or separating waste from its primary packaging (for example container, bags, bins, boxes). Wastes that are combined together during repackaging activities shall be materially the same and not change the waste's chemical composition or characteristics.	

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
		Repackaging shall take place in a dedicated area on an impermeable surface with sealed drainage. Washing out of road tankers only permitted to nominally empty road tankers used to transport non-hazardous wastes to the site with flash points ≥ 23°C. Repackaging of waste shall not change either the maximum storage times for waste on site or the amount that can be stored at any one time. No waste types shall be submitted to this activity other than those non-hazardous wastes specified in schedule 2, table S2.5.	
AR8	Temporary storage of non-hazardous waste R13: Storage of waste pending any of the operations numbered R01 to R12 (excluding temporary storage, pending collection, on the site where it is produced) D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	From receipt and storage of non-hazardous waste on site to its treatment or repackaging on site; or its transfer off-site. The operator shall not store waste in packages, drums or IBCs until pre-operational condition PO1 has been completed. Packaged waste in packages, IBCs or drums shall be stored on an impermeable surface with sealed drainage. The total amount of packaged non-hazardous and hazardous wastes (stored in packages, IBCs or drums) shall not exceed 150 tonnes at any time. The total amount of waste stored on site shall not exceed 487.5 tonnes at any one time. All non-hazardous wastes shall be stored on site for no longer than 12 months. Notwithstanding the limits given above where a shorter storage time period is given in an agreed management plan then that time period shall take precedence. No waste types shall be submitted to this activity other than those non-hazardous wastes specified in Schedule 2, Table S2.5.	

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Chemical waste: appropriate measures for permitted facilities Version published 18 November 2020	All parts of the appropriate measures guidance shall apply other than: • those parts to which an improvement programme requirement applies in Table S1.3 (and only until the date that the improvement has been or must be met, whichever is the earlier).	N/A
Non-hazardous and inert waste: appropriate measures for permitted facilities	All parts of the appropriate measures guidance shall apply other than: • those parts to which an improvement programme requirement applies in Table S1.3 (and only until the	N/A

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Version published 18 November 2020	date that the improvement has been or must be met, whichever is the earlier).	
Additional information provided in response to request for information dated 16/09/24	Part 5 of '*Worsley RFI 16-09-24 response'* describing the processes taking place on site.	15/10/2024
Additional information provided in response to request for information dated 15/01/2025	Parts 2 – repackaging descriptions, 4 – treatment tank and waste storage, 5 – storage capacities and throughput of waste *'Request for information 2 response'*.	21/02/2025

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1-11	Previously completed and removed from permit.	Complete
IC12a abatement system for treatment and cold storage tanks.	The operator shall submit a plan to the Environment Agency for approval as required by sections 4 and 6.1 of Chemical waste: appropriate measures for permitted facilities (e.g. 6.1.1: "*You must contain storage tanks, silos and waste treatment plant (including shredders) to make sure you collect, extract and direct all process emissions to an appropriate abatement system for treatment before release".)* for the installation, maintenance and operation of an abatement system for the reduction of VOCs from the oil storage and oil treatment tanks on site (tanks listed in Table S3.1). The plan shall detail: • the design of the abatement system; • the monitoring measures in place for; - optimising and maintaining the operation; - optimising performance of the abatement system; - identifying optimal regeneration or replacement; • The timescale for implementation. The plan shall be implemented in accordance with the Environment Agency's written approval.	20/11/2025
IC12b Operation of abatement system	The agreed abatement system(s) approved under IC12a shall be installed and operated in accordance with the Environment Agency's written approval.	20/02/2026 or as agreed in writing by the Environment Agency.
IC13a viability of monitoring treatment tanks	The operator shall submit a written report to the Environment Agency for approval to demonstrate the viability of monitoring emissions to air to the standards required by condition 3.5.1, Table S3.1 from process treatment tank T2 that undertakes gravity separation. The report shall:	20/02/2026 or as agreed in writing by the Environment Agency.

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	a. Review techniques for representative monitoring of Total Volatile Organic Compounds (TVOCs) discharged from the vent on tank T2 in accordance with MCERTs accredited standards in line with requirements Environment Agency guidance 'Monitoring emissions to air, land and water (MCERTS)'. b. Include an assessment of the emission parameters including, but not limited to, an assessment of flow (e.g. m3/s), load (e.g. kg/hr) and concentration (e.g. mg/m3) for each pollutant released from the listed emission points, during all stages of the treatment process where emissions may be expected including tank filling. c. Conclude via evidence and justification if emission parameters (e.g. flow) during all stages of the treatment process where emissions may be expected are sufficient to undertake MCERTS monitoring of emissions to the standards required in Table S3.1. d. Review measures to improve the monitoring points in the event it is concluded there is sufficient emissions/flow to monitor the emission during all or specific stage of the treatment process, but the monitoring/emission point does not meet the required specification for monitoring to take place. e. Outline timescales for improving monitoring points if required and the commencement of monitoring. The operator shall carry out the monitoring subject to the completion of this Improvement Condition as agreed within the Environment Agency.	
IC13b Updated emissions inventory for emissions to air	The operator shall submit a written report to the Environment Agency for approval that proposes a monitoring programme to fully characterise and assess the facility's point source emission(s) to air from the emission points listed in Table S3.1. The monitoring programme shall be designed to fulfil all the requirements of Chemical waste: appropriate measures for permitted facilities including, but not limited to, 7.1.1. "Your facility's emissions inventory must include information about the relevant characteristics of point source emissions to air…" The report shall: a) detail the parameters and substances that will be tested for. b) include proposals for monitoring as a minimum the parameters listed in Schedule 3, Table S3.1 for tank T2 or present conclusive evidence to suggest any parameter is not present/relevant in the emission. c) detail the monitoring methods, equipment and frequency to be used and justify any alternatives to the methods set out in Schedule 3, Table S3.1 for monitoring the listed parameters. d) confirm with supporting evidence that the monitoring will be representative of worst-case conditions – i.e. operating with typical waste streams at maximum plant throughput. e) establish a timetable for undertaking the monitoring. The monitoring programme shall be carried out in line with the timescales approved by the Environment Agency.	20/11/2025

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC13c H1 risk assessment for emissions to air	The operator shall submit a written report to the Environment Agency for assessment and written approval as required by sections 6.1 and 7 of Chemical waste: appropriate measures for permitted facilities (e.g. 6.1.3 *"You must assess the fate and impact of the substances emitted to air, following the Environment Agency's risk assessment methodology.")* The report must include: a) the results and conclusions of the emissions monitoring and assessment undertaken in accordance with the approved monitoring programme under condition IC13b. b) A comparison of the monitoring results with the limits listed in Schedule 3, Table S3.1 for Tank T2. c) the results and conclusions from an assessment of the environmental impact of the emissions to air using all relevant parameters identified from the monitoring programme proposed under condition IC13b. The assessment must screen parameters using the BAT AELs where they are set in Table S3.1 and actual emissions monitoring data for emissions where BAT AELs are not set, and be carried out using the Environment Agency's 'H1 Environmental Risk Assessment' tool (or equivalent as agreed with the Environment Agency) and/or modelling as required following our guidance: Air emissions risk assessment for your environmental permit - GOV.UK Where it is concluded that the impact of the emission may be significant or is exceeding an environment standard: The operator shall d) Review the BAT AELs and determine whether there is a requirement for emissions limits to be lower than the BAT AELs in order to prevent exceedance of environmental standards. e) Propose revised emission limits Where the proposed limits or limits listed in Table S3.1 for any parameter could be exceeded, the report must also include: f) Proposals for measures to mitigate the emission to meet the relevant emission limit such as (additional) abatement and timescales for the implementation of the measures. The proposals shall be implemented within 6 months of approval of the report or as agreed in writing by the Environment Agency	20/02/2026 or as agreed in writing by the Environment Agency.
IC14a – emissions inventory for emission to sewer	The operator shall submit a written report to the Environment Agency for approval that proposes a monitoring programme to fully characterise and assess the facility's point source emission(s) to sewer via S1. The monitoring programme shall be designed to fulfil all the requirements of Chemical waste: appropriate measures for permitted facilities e.g. 7.2.1: *"Your facility's emissions inventory must include information about the relevant characteristics of point source emissions to water or sewer…".* The report shall: a) detail the parameters and substances that will be tested for.	20/11/2025

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	b) include proposals for monitoring as a minimum the following parameters: those listed in Schedule 3, Table S3.2 or present conclusive evidence to suggest any parameter is not present/relevant in the emission. c) detail the monitoring methods, equipment and frequency to be used and justify any alternatives to the methods set out in Schedule 3, Table S3.2 for monitoring the listed parameters. d) confirm with supporting evidence that the monitoring will be representative of worst-case conditions – i.e. operating with typical waste streams at maximum plant throughput. e) establish a timetable for undertaking the monitoring. The monitoring programme shall be carried out in line with the timescales approved by the Environment Agency.	
IC14b – H1 risk assessment for emissions to sewer.	The operator shall submit a written report to the Environment Agency for assessment and written approval as required by sections 6.4 and 7 of Chemical waste: appropriate measures for permitted facilities (e.g. 6.4.2 *"You must assess the fate and impact of the substances emitted to water and sewer, following the Environment Agency's risk assessment guidance").* The report must include: a) the results and conclusions of the emissions monitoring and assessment undertaken in accordance with the approved monitoring programme under condition IC14a. b) A comparison of the monitoring results with the limits listed in Schedule 3, Table S3.2 for each parameter. c) the results and conclusions from an assessment of the environmental impact of the emissions to sewer using all relevant parameters identified from the monitoring programme proposed under condition IC14a. The assessment must screen parameters using the BAT AEL and be carried out using the Environment Agency's 'H1 Environmental Risk Assessment' tool (or equivalent as agreed with the Environment Agency) and/or modelling as required following our guidance: 'Surface water pollution risk assessment for your environmental permit' Where it is concluded that the impact of the emission may be significant or is exceeding an environment standard (e.g. an environmental quality standard EQS), the operator shall: d) Review the BAT AELs and determine whether there is a requirement for emissions limits to be lower than the BAT AELs in order to prevent exceedance of environmental standards. e) Propose revised emission limits Where the proposed limits or limits listed in Table S3.2 for any parameter could be exceeded, the report must also include: f) Proposals for measures to mitigate the emission to meet the relevant emission limit such as (additional) abatement and timescales for the implementation of the measures. The proposals shall be implemented within 6 months of approval of the report or as agreed in writing by the Environment Agency.	20/02/2026 or as agreed in writing by the Environment Agency.

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
PO1	Storage, transfer and repackaging of waste in packages, IBCs and drums.	Prior to the recommencement of acceptance of waste packages, drums, IBCs and any repackaging of waste (activities AR3 and AR7) authorised by table S1.1, the operator shall submit a report to the Environment Agency for approval which demonstrates the activities are in accordance with the requirements of the Waste Treatment BAT conclusions and Chemical Wastes: appropriate measures for permitted sites and other appropriate measures guidance as applicable.

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
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Table S2.2 Permitted waste types for treatment of waste oils/oily waste (AR1)	
Maximum quantity	The total quantity of wastes accepted under activities AR1 and AR2 in aggregate shall not exceed 25,000 tonnes per year
Waste code	**Description**
01	**Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals**
01 05	**drilling muds and other drilling wastes**
01 05 05*	oil-containing drilling muds and wastes
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**
05 01	**wastes from petroleum refining**
05 01 03*	tank bottom sludges
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
05 01 12*	oil containing acids
08	**Wastes from manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks**
08 03	**wastes from MFSU of printing inks**
08 03 19*	disperse oil
08 04	**wastes from MFSU of adhesives and sealants (including waterproofing products**
08 04 17*	rosin oil
10	**Wastes from thermal processes**
10 02	**wastes from the iron and steel industry**
10 02 11*	wastes from cooling-water treatment containing oil
10 03	**wastes from aluminium thermal metallurgy**
10 03 27*	wastes from cooling-water treatment containing oil
10 04	**wastes from lead thermal metallurgy**
10 04 09*	wastes from cooling-water treatment containing oil
10 05	**wastes from zinc thermal metallurgy**
10 05 08*	wastes from cooling-water treatment containing oil
10 06	**wastes from copper thermal metallurgy**
10 06 09*	wastes from cooling-water treatment containing oil

Table S2.2 Permitted waste types for treatment of waste oils/oily waste (AR1)	
Maximum quantity	The total quantity of wastes accepted under activities AR1 and AR2 in aggregate shall not exceed 25,000 tonnes per year
Waste code	**Description**
10 07	**wastes from silver, gold and platinum thermal metallurgy**
10 07 07*	wastes from cooling-water treatment containing oil
10 08	**wastes from other non-ferrous thermal metallurgy**
10 08 19*	wastes from cooling-water treatment containing oil
12	**Wastes from shaping and physical and mechanical surface treatment of metal and plastics**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 07*	mineral based machining oils free of halogens (except emulsions and solutions)
12 01 09*	machining emulsions and solutions free of halogens
12 01 10*	synthetic machining oils
12 01 18*	metal sludge (grinding, honing and lapping sludge) containing oil
12 01 19*	readily biodegradable machining oil
13	**Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)**
13 01	**waste hydraulic oils**
13 01 05*	non-chlorinated emulsions
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	**waste 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	**waste insulating and heat transmission oils**
13 03 07*	mineral-based non-chlorinated insulating and 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	**bilge 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	**oil/water separator contents**

Table S2.2 Permitted waste types for treatment of waste oils/oily waste (AR1)	
Maximum quantity	The total quantity of wastes accepted under activities AR1 and AR2 in aggregate shall not exceed 25,000 tonnes per year
Waste code	**Description**
13 05 06*	oil from oil/water separators
13 05 07*	oily water from oil/water separators
13 07	**wastes of liquid fuels**
13 07 01*	fuel oil and diesel
13 07 03*	other fuels (including mixtures)
13 08	**oil wastes not otherwise specified**
13 08 02*	other emulsions
16	**Wastes not otherwise specified in the list**
16 01	**end- of life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
16 01 14*	antifreeze fluids containing dangerous substances
16 07	**wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)**
16 07 08*	wastes containing oil
19	**Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use**
19 02	**19 02**
19 02 07*	oil and concentrates from separation
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**separately collected fractions (except 15 01)**
20 01 26*	oil and fat other than those mentioned in 20 01 25

Table S2.3 Permitted waste types for treatment of aqueous wastes (AR2)	
Maximum quantity	The total quantity of wastes accepted under activities AR1 and AR2 in aggregate shall not exceed 25,000 tonnes per year
Waste code	**Description**
01	**Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals**
01 05	**drilling muds and other drilling wastes**
01 05 05*	oil-containing drilling muds and wastes
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**

Table S2.3 Permitted waste types for treatment of aqueous wastes (AR2)	
Maximum quantity	The total quantity of wastes accepted under activities AR1 and AR2 in aggregate shall not exceed 25,000 tonnes per year
Waste code	**Description**
05 01	**wastes from petroleum refining**
05 01 03*	tank bottom sludges
05 01 06*	oily sludges from maintenance operations of the plant or equipment
10	**Wastes from thermal processes**
10 02	**wastes from the iron and steel industry**
10 02 11*	wastes from cooling-water treatment containing oil
10 03	**wastes from aluminium thermal metallurgy**
10 03 27*	wastes from cooling-water treatment containing oil
10 04	**wastes from lead thermal metallurgy**
10 04 09*	wastes from cooling-water treatment containing oil
10 05	**wastes from zinc thermal metallurgy**
10 05 08*	wastes from cooling-water treatment containing oil
10 06	**wastes from copper thermal metallurgy**
10 06 09*	wastes from cooling-water treatment containing oil
10 07	**wastes from silver, gold and platinum thermal metallurgy**
10 07 07*	wastes from cooling-water treatment containing oil
10 08	**wastes from other non-ferrous thermal metallurgy**
10 08 19*	wastes from cooling-water treatment containing oil
12	**Wastes from shaping and physical and mechanical surface treatment of metal and plastics**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 09*	machining emulsions and solutions free of halogens
12 01 18*	metal sludge (grinding, honing and lapping sludge) containing oil
13	**Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)**
13 01	**waste hydraulic oils**
13 01 05*	non-chlorinated emulsions
13 05	**oil/water separator contents**
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 07*	oily water from oil/water separators
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
16	**Wastes not otherwise specified in the list**

Table S2.3 Permitted waste types for treatment of aqueous wastes (AR2)	
Maximum quantity	The total quantity of wastes accepted under activities AR1 and AR2 in aggregate shall not exceed 25,000 tonnes per year
Waste code	**Description**
16 01	**end- of life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
16 01 13*	brake fluids
16 07	**wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)**
16 07 08*	wastes containing oil
16 10	**aqueous liquid wastes destined for off-site treatment**
16 10 01*	Aqueous liquid wastes containing dangerous substances
19	**Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use**
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
19 13	**Wastes from soil and groundwater remediation**
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**separately collected fractions (except 15 01)**
20 01 26*	oil and fat other than those mentioned in 20 01 25

Table S2.4 Permitted waste types for repackaging (AR3) and temporary storage of hazardous waste (AR4)	
Maximum quantity	The total quantity of waste stored at any one time shall not exceed 487.5 tonnes. The total quantity of wastes accepted under activities AR3 (repackaging) shall not exceed 1,000 tonnes per year
Waste code	**Description**
01	**Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals**
01 05	**drilling muds and other drilling wastes**
01 05 05*	oil-containing drilling muds and wastes
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**
05 01	**wastes from petroleum refining**
05 01 03*	tank bottom sludges
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment

Table S2.4 Permitted waste types for repackaging (AR3) and temporary storage of hazardous waste (AR4)	
Maximum quantity	The total quantity of waste stored at any one time shall not exceed 487.5 tonnes. The total quantity of wastes accepted under activities AR3 (repackaging) shall not exceed 1,000 tonnes per year
Waste code	**Description**
05 01 12*	oil containing acids
08	**Wastes from manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks**
08 01	**wastes from MFSU and removal of paint and varnish**
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 dangerous substances
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 17*	wastes from paint or varnish removal containing organic solvents or other dangerous substances
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 21*	waste paint or varnish remover
08 03	**wastes from MFSU of printing inks**
08 03 19*	disperse oil
08 04	**wastes from MFSU of adhesives and sealants (including waterproofing products**
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 11*	adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 17*	rosin oil
10	**Wastes from thermal processes**
10 02	**wastes from the iron and steel industry**
10 02 11*	wastes from cooling-water treatment containing oil
10 03	**wastes from aluminium thermal metallurgy**
10 03 27*	wastes from cooling-water treatment containing oil
10 04	**wastes from lead thermal metallurgy**
10 04 09*	wastes from cooling-water treatment containing oil
10 05	**wastes from zinc thermal metallurgy**
10 05 08*	wastes from cooling-water treatment containing oil
10 06	**wastes from copper thermal metallurgy**

Table S2.4 Permitted waste types for repackaging (AR3) and temporary storage of hazardous waste (AR4)	
Maximum quantity	The total quantity of waste stored at any one time shall not exceed 487.5 tonnes. The total quantity of wastes accepted under activities AR3 (repackaging) shall not exceed 1,000 tonnes per year
Waste code	**Description**
10 06 09*	wastes from cooling-water treatment containing oil
10 07	**wastes from silver, gold and platinum thermal metallurgy**
10 07 07*	wastes from cooling-water treatment containing oil
10 08	**wastes from other non-ferrous thermal metallurgy**
10 08 19*	wastes from cooling-water treatment containing oil
12	**Wastes from shaping and physical and mechanical surface treatment of metal and plastics**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
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 18*	metal sludge (grinding, honing and lapping sludge) containing oil
12 01 19*	readily biodegradable machining oil
13	**Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)**
13 01	**waste hydraulic oils**
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	**waste engine, gear and lubricating 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	**waste insulating and heat transmission oils**
13 03 01*	insulating or heat transmission oils containing PCBs

Table S2.4 Permitted waste types for repackaging (AR3) and temporary storage of hazardous waste (AR4)	
Maximum quantity	The total quantity of waste stored at any one time shall not exceed 487.5 tonnes. The total quantity of wastes accepted under activities AR3 (repackaging) shall not exceed 1,000 tonnes per year
Waste code	**Description**
13 03 06*	mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01
13 03 07*	mineral-based non-chlorinated insulating and 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	**bilge 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	**oil/water separator contents**
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	**wastes of liquid fuels**
13 07 01*	fuel oil and diesel
13 07 03*	other fuels (including mixtures)
13 08	**oil wastes not otherwise specified**
13 08 02*	other emulsions
15	**Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 10*	packaging containing residues of or contaminated by dangerous substances
15 02	**absorbents, filter materials, wiping cloths and protective clothing**
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.
16	**Wastes not otherwise specified in the list**
16 01	**end- of life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
16 01 07*	oil filters
16 01 13*	brake fluids

Table S2.4 Permitted waste types for repackaging (AR3) and temporary storage of hazardous waste (AR4)	
Maximum quantity	The total quantity of waste stored at any one time shall not exceed 487.5 tonnes. The total quantity of wastes accepted under activities AR3 (repackaging) shall not exceed 1,000 tonnes per year
Waste code	**Description**
16 01 14*	antifreeze fluids containing dangerous substances
16 07	**wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)**
16 07 08*	wastes containing oil
16 10	**aqueous liquid wastes destined for off-site treatment**
16 10 01*	Aqueous liquid wastes containing dangerous substances
17	**Construction and demolition wastes (including excavated soil from contaminated sites)**
17 01	**concrete, bricks, tiles and ceramics**
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
17 02	**wood, glass and plastic**
17 02 04*	glass, plastic and wood containing or contaminated with dangerous substances
17 03	**bituminous mixtures, coal tar and tarred products**
17 03 01*	bituminous mixtures containing coal tar
17 03 03*	coal tar and tarred products
17 04	**metals (including their alloys)**
17 04 09*	metal waste contaminated with dangerous substances
17 04 10*	cables containing oil, coal tar and other dangerous substances
17 04 11*	cables other than those mentioned in 17 04 10
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 03*	soil and stones containing dangerous substances
17 05 05*	dredging spoil containing dangerous substances
17 05 07*	track ballast containing dangerous substances
19	**Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use**
19 02	**19 02**
19 02 07*	oil and concentrates from separation
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
19 13	**Wastes from soil and groundwater remediation**
19 13 03*	sludges from soil remediation containing dangerous substances
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances

Table S2.4 Permitted waste types for repackaging (AR3) and temporary storage of hazardous waste (AR4)	
Maximum quantity	The total quantity of waste stored at any one time shall not exceed 487.5 tonnes. The total quantity of wastes accepted under activities AR3 (repackaging) shall not exceed 1,000 tonnes per year
Waste code	**Description**
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**separately collected fractions (except 15 01)**
20 01 13*	solvents
20 01 26*	oil and fat other than those mentioned in 20 01 25

Table S2.5 Permitted waste types for temporary storage and repackaging of non-hazardous wastes (AR7 and AR8).	
Maximum quantity	The total quantity of non-hazardous wastes accepted onto site for repackaging (AR7) shall not exceed 13,000 tonnes per year. No more than 150 tonnes of non-hazardous wastes shall be stored on site at any one time.
Waste code	**Description**
07	**Wastes from organic chemical processes**
07 01	**wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals**
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11
08	**Wastes from manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks**
08 01	**wastes from MFSU and removal of paint and varnish**
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 03	**wastes from MFSU of printing inks**
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 18	waste printing toner other than those mentioned in 08 03 17
08 04	**Wastes from MFSU of adhesives and sealants (including waterproofing products)**
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

Table S2.5 Permitted waste types for temporary storage and repackaging of non-hazardous wastes (AR7 and AR8).	
Maximum quantity	The total quantity of non-hazardous wastes accepted onto site for repackaging (AR7) shall not exceed 13,000 tonnes per year. No more than 150 tonnes of non-hazardous wastes shall be stored on site at any one time.
Waste code	**Description**
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
11	**Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydrometallurgy**
11 01	**wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodizing)**
11 01 14	degreasing wastes other than those mentioned in 11 01 13
15	**Waste packaging; absorbants, wiping cloths, filter materials and protective clothing not otherwise specified**
15 01	**packaging (including separately collected municipal packaging waste)**
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	**absorbents, filter materials, wiping cloths and protective clothing**
15 02 03	absorbents, filter materials, wiping cloths, protective clothing other than those mentioned in 15 02 02.
16	**Wastes not otherwise specified in the list**
16 01	**end- of life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance(except 13, 14, 16 06 and 16 08)**
16 01 15	antifreeze fluids other than those mentioned in 16 01 14
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 19	plastic
16 01 20	glass
16 10	**aqueous liquid wastes destined for off-site treatment**
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
17	**Construction and demolition wastes (including excavated soil from contaminated sites)**
17 01	**concrete, bricks, tiles and ceramics**

Table S2.5 Permitted waste types for temporary storage and repackaging of non-hazardous wastes (AR7 and AR8).	
Maximum quantity	The total quantity of non-hazardous wastes accepted onto site for repackaging (AR7) shall not exceed 13,000 tonnes per year. No more than 150 tonnes of non-hazardous wastes shall be stored on site at any one time.
Waste code	**Description**
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	**wood, glass and plastic**
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 03	**bituminous mixtures, coal tar and tarred products**
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 04	**metals (including their alloys)**
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	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
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
19	**Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use**
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**separately collected fractions (except 15 01)**
20 01 01	paper and cardboard
20 01 02	glass

Table S2.5 Permitted waste types for temporary storage and repackaging of non-hazardous wastes (AR7 and AR8).	
Maximum quantity	The total quantity of non-hazardous wastes accepted onto site for repackaging (AR7) shall not exceed 13,000 tonnes per year. No more than 150 tonnes of non-hazardous wastes shall be stored on site at any one time.
Waste code	**Description**
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 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 02	**garden and park wastes (including cemetery waste)**
20 02 01	biodegradable waste
20 02 02	soil and stones
20 02 03	other non-biodegradable wastes
20 03	**other municipal wastes**
20 03 03	street-cleaning residues

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 1)**	**Limit (including unit)**	**Reference Period (Note 2)**	**Monitoring frequency (Note 7)**	**Monitoring standard or method**
Treatment Tank T2 in tank farm shown in figure 2 in schedule 7.	Tank vent emissions from the gravity separation of waste oils (AR1)	Total Volatile Organic Compounds (TVOCs)	30 mg/m^3 (Note 3)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	EN 12619
		Speciated Volatile Organic Compounds (Note 6)	No limit set			PD CEN/TS 13649
	Tank vent emissions from the gravity separation of aqueous waste (AR2)	Total Volatile Organic Compounds (TVOCs) (Note 5)	20 mg/m^3 (Note 4)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	EN 12619
		Speciated Volatile Organic Compounds (Note 5,6)	No limit set			PD CEN/TS 13649
		Hydrogen chloride (HCl) (Note 5)	5 mg/m^3			EN 1911
		Ammonia (NH_3) (Note 5)	No limit set			CEN TS 17337
Oil/aqueous waste storage tanks shown in figure 2 in schedule 7	Oil/aqueous waste storage tank vents from tanks R1, R2, T1, S1, S2, S3, S4 and E tank	No parameter set	No limit set	-	-	-

Note 1: In addition, the operator shall also monitor for relevant waste gas parameters as required: flow, temperature, average concentration/load values of relevant substances (e.g. organic compounds, POPs such as PCBs) flammability, lower and upper explosive limits, reactivity and other substances which may affect gas treatment or plant safety (e.g. oxygen, nitrogen, water vapour, dust).

Note 2: To the extent possible, the measurements shall be carried out at the highest expected emission state under normal operating conditions.

Note 3: This limit does not apply if there are no carcinogenic, mutagenic or toxic for reproduction (CMR) substances present in the emission and the emission load is below 2 kg/h at the emission point.

Note 4: The emission limit is 45 mg/m^3 when the emission load is below 0.5 kg/h at the emission point.

Note 5: This monitoring requirement and limit only applies when the substance is present in the waste gas stream as per the emission inventory to be established under IC13b and IC13c.

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 1)**	**Limit (including unit)**	**Reference Period (Note 2)**	**Monitoring frequency (Note 7)**	**Monitoring standard or method**
Note 6: All speciated VOCs and their concentrations shall be reported. Note 7: Monitoring frequencies may be reduced with the written agreement of the Environment Agency if emission levels are proven to be sufficiently stable.						

Table S3.2 Point source emissions to surface water						
Emission point ref. & location	**Source**	**Parameter (Note 1)**	**Limit (incl. unit) (Note 5)**	**Reference period (Note 2)**	**Monitoring frequency (Note 4)**	**Monitoring standard or method**
W1 – emission to surface water sewer shown on figure 2 in schedule 7	Uncontaminated site surface water run-off via an oil interceptor	Oil or grease	None visible	-	Daily	Visual assessment

Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 1)**	**Limit (incl. unit) (Note 5)**	**Reference period (Note 2)**	**Monitoring frequency (Note 4)**	**Monitoring standard or method**
S1 - Emission point S1 labelled 'discharge S1' in figure 2 in schedule 7 – emission to Northumbrian Water Bran Sands Sewage Treatment Works via an onsite interceptor.	Discharge of aqueous effluent to foul sewer from oil and hazardous aqueous effluent treatment processes and site surface water run-off via oil/water separator.	Arsenic (expressed as As) (Note 3)	0.05 mg/l	-	Daily (Note 6)	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Cadmium (expressed as Cd) (Note 3)	0.05 mg/l	-	Daily (Note 6)	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Chromium (expressed as Cr) (Note 3)	0.15 mg/l	-	Daily (Note 6)	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Hexavalent chromium (expressed as Cr (VI)) (Note 3 and 7)	0.1 mg/l	-	Daily	EN ISO 10304-3 EN ISO 23913
		Copper (expressed as Cu) (Note 3)	0.5 mg/l	-	Daily (Note 6)	EN ISO 11885 EN ISO 17294-2 EN ISO 15586

Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 1)**	**Limit (incl. unit) (Note 5)**	**Reference period (Note 2)**	**Monitoring frequency (Note 4)**	**Monitoring standard or method**
		Lead (expressed as Pb) (Note 3)	0.1 mg/l	-	Daily (Note 6)	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Manganese (Note 3)	No limit set	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Mercury (expressed as Hg) (Note 3)	5 µg/l	-	Daily (Note 6)	BS EN 12846 BS EN ISO 17852
		Nickel (expressed as Ni) (Note 3)	0.5 mg/l	-	Daily (Note 6)	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Zinc (expressed as Zn) (Note 3)	1 mg/l	-	Daily (Note 6)	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Hydrocarbon oil index (HOI) (Note 7)	10 mg/l (Note 7)	-	Monthly (Note 6)	EN ISO 9377-2
		Free cyanide (CN^-) (Note 3 and 7)	0.1 mg/l	-	Daily	EN ISO 14403-1 EN ISO 14403-2
		Adsorbable organically bound halogens (AOX)	1 mg/l	-	Daily	EN ISO 9562
		Benzene, toluene, ethylbenzene, xylene (BTEX)	No limit set	-	Monthly	EN ISO 15680
		PFOA (Note 3)	No limit set	-	Every 6 months	BS ISO 25101 In-house method accredited by UKAS
		PFOS (Note 3)	No limit set	-	Every 6 months	BS ISO 25101 In-house method accredited by UKAS

Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 1)**	**Limit (incl. unit) (Note 5)**	**Reference period (Note 2)**	**Monitoring frequency (Note 4)**	**Monitoring standard or method**
Note 1: In addition the operator shall monitor for relevant waste water parameters as required for example flow, pH, temperature, conductivity, BOD. Note 2: Relevant reference period: • In the case of continuous discharge, daily average values, i.e. 24-hour flow-proportional composite samples. • In the case of batch discharge, average values over the release duration taken as flow-proportional composite samples, or, provided that the effluent is appropriately mixed and homogeneous, a spot sample taken before discharge. Note 3: This substance is only required to be monitored where present in the waste water emissions inventory to be established under IC14a. Note 4: Monitoring frequencies may be reduced with the written agreement of the Environment Agency if emission levels are proven to be sufficiently stable, or in the case of a batch discharge less than the minimum monitoring frequency where monitoring is carried out once per batch. Note 5: The BAT-AEL may not apply if the downstream waste water treatment plant abates the pollutant concerned, provided this does not lead to a higher level of pollution of the environment. The operator may request in writing to disapply the BAT-AEL, supported by a revised H1 Assessment and confirmation from the sewerage undertaker that the waste water treatment plant abates the pollutant concerned. Note 6: in the case of an indirect discharge to a receiving water body, the monitoring frequency may be reduced if the downstream waste water treatment plant abates the pollutants concerned.						

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other Specifications**
Carbon filters on waste storage/treatment tanks T1, T2, R1, R2, S1, S2, S3, S4 and E tank where applicable upon conclusion of IC12a.	Efficiency assessment	As specified in the agreed abatement plan.	Carbon filter(s) shall be installed, maintained, operated and replaced in accordance with the manufacturer's recommendations and with the agreed abatement plan outlined in IC12a.	-

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	**Emission or monitoring point/reference**	**Reporting period**	**First period begins**
Emissions to air Parameters as required by condition 3.5.1.	Oil treatment tank T2	Every 6 months	1 January
Emissions to sewer Parameters as required by condition 3.5.1	S1	Annually	1 January
Process monitoring Parameters as required by condition 3.5.1	As agreed in writing by the Environment Agency.	Annually, or as agreed in writing by the Environment Agency under IC12a.	1 January

Table S4.2 Annual production/treatment	
Parameter	**Units**
Hazardous waste treated - Recovery	tonnes
Hazardous waste treated - Disposal	tonnes
Non-hazardous waste treated - Recovery	tonnes
Non-hazardous waste treated - Disposal	tonnes

Table S4.3 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Water usage	Annually	cubic metres
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Emissions to air	Emissions to Air Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Emissions to sewer	Emissions to Sewer Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Process monitoring	Process Monitoring Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Water usage	Water Usage Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Energy usage	Energy Usage Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Other performance indicators	Other Performance Parameters Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021

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	
Name of operator	
Location of Facility	
Time and date of the detection	

(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	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
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 breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

(d) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
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	

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*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“blending or mixing” is the combination of wastes (other than repackaging) of the same general type (for example non-halogenated solvents or acids) having similar characteristics, in a container or bulk vessel or tank, where there is neither reaction of the mixed wastes nor evolution of gas.

“building” is a covered structure enclosed on all vertical sides that provides sheltered cover and contains emissions of, for example, noise, particulate matter, odour and litter.

“CMR” means substances that are carcinogenic, mutagenic or toxic for reproduction in accordance with UK REACH, that is substances with classifications category 1A H340, H350, H360, category 1B H340, H350, H360, category 2 H341, H351, H361.

“container” is a receptacle for waste for example bags, bins, boxes, drums, IBCs and blister packs. Wastes may be packaged in more than one receptacle for example a bag in a box.

“D” means a disposal operation provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

“disposal” means any of the operations provided for in Annex I to the Waste Framework Directive.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“fugitive emission” means an emission to air, water or land from the activities which is not controlled by an emission limit.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“hazardous property” has the meaning in Annex lll of the Waste Framework Directive.

“hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005.

“impermeable surface” means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface.

“Industrial Emissions Directive” means Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

“Leak detection and repair (LDAR) programme’’ means a structured approach to reduce fugitive emissions of organic compounds by detection and subsequent repair or replacement of leaking components. Currently, sniffing (described by EN 15446) and optical gas imaging methods are available for the identification of leaks under BAT 14 and section 6.2 of the Waste Treatment BAT Conclusions, Aug 2018.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“pests” means birds, vermin and insects.

“pollution” includes pollution of the environment, harm to human health and serious detriment to the amenities of the locality, resulting from the permitted activities.

“POPs” means persistent organic pollutants, which are the substances listed in Annexes I and II of the retained Regulation (EU) 2019/1021 as amended by The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020/1358 and The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2022/1293.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

“recovery” means any of the operations provided for in Annex II to the Waste Framework Directive.

“sealed container” for the purposes of this permit, means a container which is fully enclosed, weather proof, does not allow any solid or liquid content to escape and is lockable.

“sealed drainage” in relation to an impermeable surface means a drainage system with impermeable components which does not leak and which will ensure that:

- no liquid will run off the surface otherwise than via the system, and
- except where they may lawfully be discharged to foul sewer, all liquids entering the system are collected in a sealed sump

“volatile organic compound” (VOC) means any organic compound as well as the fraction of creosote, having at 293.15 K a vapour pressure of 0.01 kPa or more, or having a corresponding volatility under the particular conditions of use.

“waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

“waste oils” means any mineral or synthetic lubrication or industrial oils which have become unfit for the use for which they were originally intended, such as used combustion engine oils and gearbox oils, lubricating oils, oils for turbines and hydraulic oils.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“year” means calendar year ending 31 December.

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

When the following terms appear in the waste code list in Schedule 2, table 2.2 to 2.5, for those tables, they have the meaning given below:

“PCBs” means.

- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0.005% by weight.

Schedule 7 – Site plan

Figure 1: Site location and permit boundary

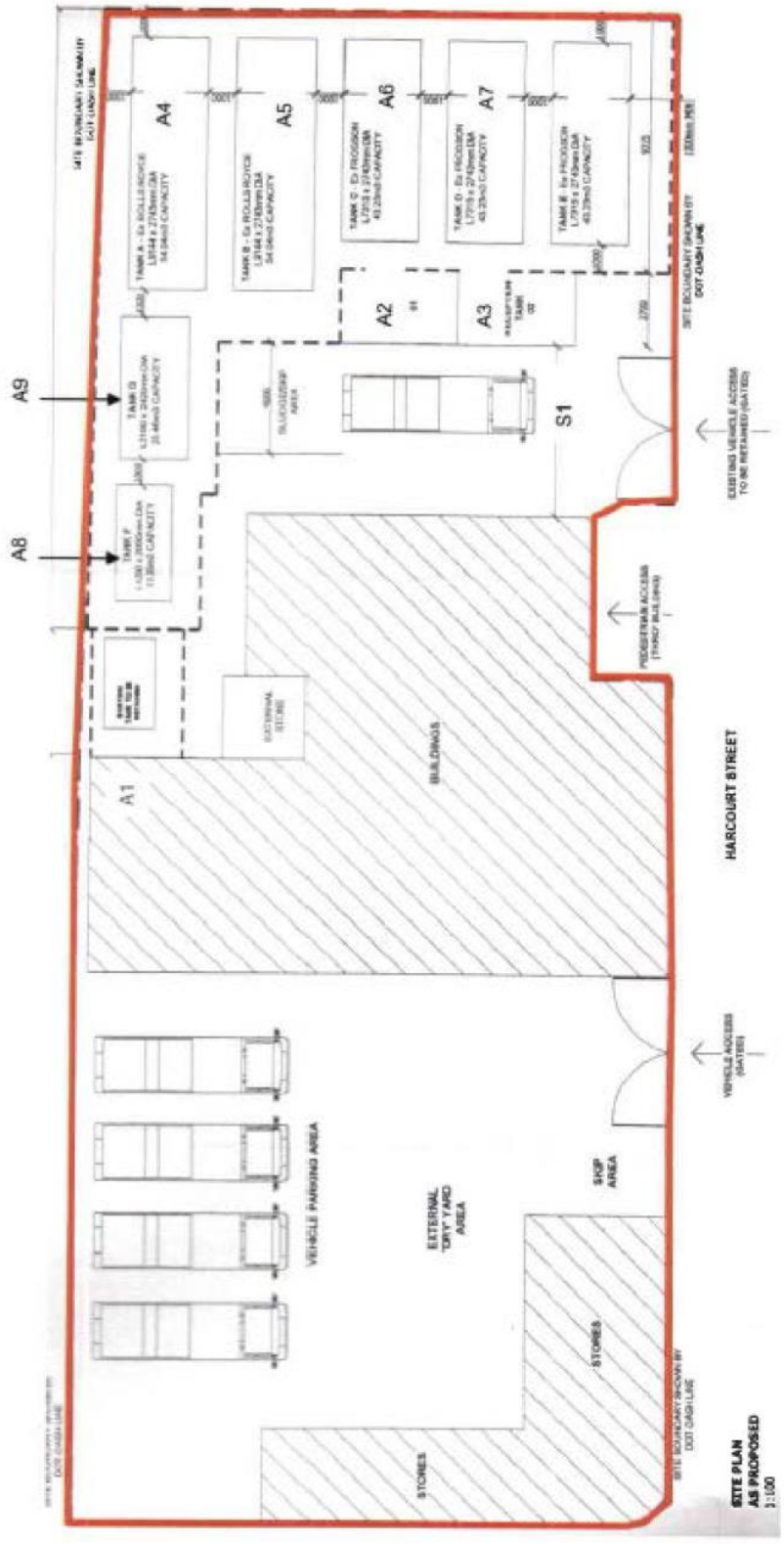
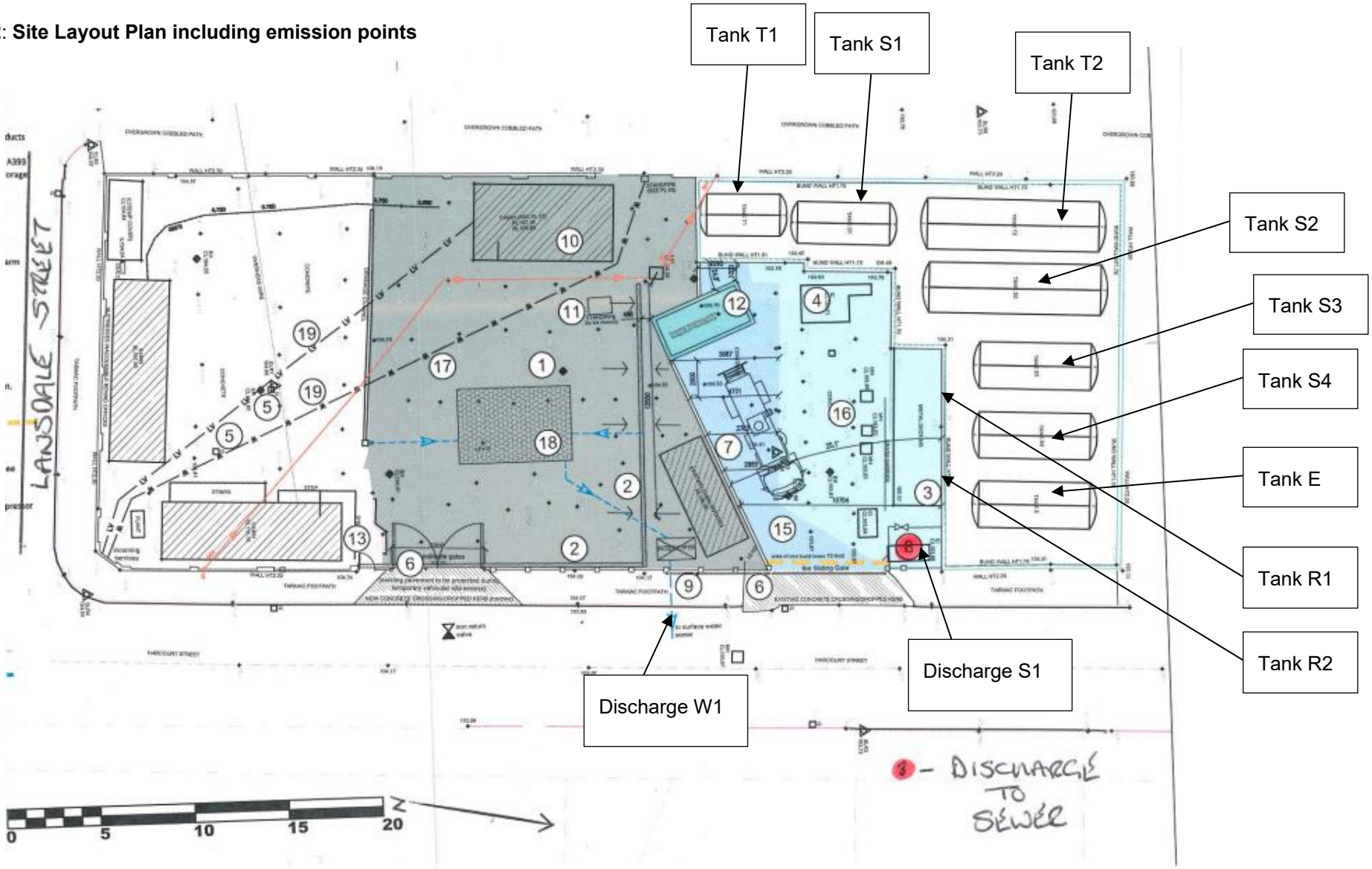


Figure 2: **Site Layout Plan including emission points**



END OF PERMIT