Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Malary Limited

Cottenham Oil Treatment Plant
Malary House
Brookfield Business Centre
Twentypence Road
Cottenham
Cambridge
CB24 8PS

Variation application number

EPR/BT2777IK/V007

Permit number

EPR/BT2777IK

Cottenham Oil Treatment Plant
Permit number EPR/BT2777IK

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”, “Non-hazardous and inert waste: appropriate measures for permitted facilities”, “Waste electrical and electronic equipment (WEEE): 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. 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. The changes made by this notice also incorporate updates to Non-hazardous and inert waste: appropriate measures for permitted facilities published 12 July 2021 and Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities published 13 July 2022.

The permit has been reviewed against the requirements of the Medium Combustion Plant Directive (MCPD) for 2025 and 2030 and relevant conditions and monitoring requirements have been added.

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, WEEE treatment and transfer sector and non-hazardous and inert 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;
- temporary storage of hazardous waste;
- treatment of non-hazardous waste;
- temporary storage of non-hazardous waste.

Treatment of waste includes:

- recovery of oils, oil contaminated wastes, oily waters and other oily waste by sieving, screening, dewatering, phase separation, dissolved air flotation, flash evaporation, distillation, filtration, heating and centrifugation.
- disposal of aqueous wastes by sieving, screening, dewatering, dissolved air flotation and filtration.
- washing, shredding, granulating of packaging and plastics (including containers) and crushing of drums.
- treatment of oil filters by sorting, shredding, centrifugation, and physical separation.
- treatment of rags (hazardous and non-hazardous) by sorting, shredding, centrifugation, washing and air separation.

The installation accepts waste oil from the motor industry for bulking, storage and treatment to produce Processed Fuel Oil (PFO) and Residual Fuel Oil (RFO); as well as oil filters, aqueous wastes from a variety of sources for storage and treatment as above, waste rags and wipes for cleaning, and waste plastics/packaging for shredding. Wastes are also mechanically treated by shredding and crushing in the recycling and SRF buildings. In addition, various other wastes including waste electrical equipment and batteries are stored pending transfer off site. The site can accept a maximum of 157,000 tonnes of waste per year.

The site is located in a rural area to the northeast of the village of Cottenham and is adjacent to Cottenham Lode (national grid reference: TL4611269072). The Lode (which is the primary flood defence for Cottenham village) forms the southern boundary of the Great North, the Smithey and the Setchel Fens. There are 3 local wildlife sites within 2km and the Ouse Washes (SAC, SPA, Ramsar) is located approximately 8.5km to the north, whilst Fenland SAC and Wicken Fen are located approximately 8km west. Point source emissions from the installation to the environment consist of emissions to air from breather vents/pressure release valves on oil storage and treatment tanks, emissions associated with the combustion of gas oil to supply boilers used to provide steam, and emissions to sewer from the effluent treatment process and run-off from process areas.

Surface water run-off from the eastern end of the site is discharged via an interceptor into an off-site balancing pool. This run-off may be ultimately discharged to the Cottenham Lode via W3 after periods of intense rainfall. Surface water from the western end of the site, the main building and process areas, passes through an interceptor prior to discharge to sewer, along with process effluent from the onsite effluent treatment process, via S1. The effluent passes through an inspection chamber where it can be inspected and assessed against the conditions of the trade effluent discharge consent with Anglian Water. The effluent is treated in the Cambridge Water Recycling Centre (ASCNF/1033) prior to discharge into the River Cam.

The site operates mechanical equipment such as shredders which have the potential to contribute to fugitive emissions such as noise and dust. The site has a noise management plan in place to prevent unacceptable noise levels being present outside the site boundary. Waste is stored predominantly in containers which prevent fugitive emissions of dust and waste treatment is predominantly carried out indoors. The site also operates under an odour management plan.

The site is managed under a management system accredited with ISO 9001 and 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 received	Duly made 14/02/2007	--
Additional information received	11/10/2007	--
Permit determined EPR/BT2777IK	30/10/2007	Permit issued to Malary Limited.

Status log of the permit		
Description	**Date**	**Comments**
Application EPR/BT2777IK/V002 (Variation)	Duly made 02/12/2009	Application to add extra waste codes.
Variation determined EPR/BT2777IK/V002	24/05/2010	--
Application EPR/BT2777IK/V003 (Variation and consolidation with EAWML 70205)	Duly made 12/03/2012	Application to vary and consolidate the permit with a partially superseded former waste management licence (EAWML 70205).
Additional information received	03/04/2012	Justification for additional wastes codes.
Variation determined EPR/BT2777IK/V003	01/06/2012	Varied and consolidated permit issued in modern condition format.
Agency variation determined EPR/BT2777IK/V004	28/11/2013	Agency variation to implement the changes introduced by IED.
Application EPR/BT2777IK/V005 (Variation)	25/01/2018	Withdrawn 28/02/2018.
Application EPR/BT2777IK/V006 (variation and consolidation)	Duly made 15/11/2018	Application to add extra waste codes and increase the throughput of certain activities.
Response to Schedule 5 notice dated 01/03/2019	02/08/2019	Noise Management Plan Changes to activities Written Management System
Response to Schedule 5 notice dated 28/11/19	16/12/2019	Noise Impact Assessment
	16/01/2020	Hot works procedure Emission points inventory BAT assessment
Response to request for further information dated 30/01/20	13/02/2020	Tank inventory Odour Management Plan Fire Prevention Plan
Further information	27/03/2020	Waste codes, throughputs and storage amounts Site layout plan Updates to Written Management System
Variation determined EPR/BT2777IK	27/03/2020	Varied and consolidated permit issued.
Permit review- Regulation 61 Notice sent to Operator	15/11/2021	Regulation 61 Notice requiring information for statutory review of permit.
Permit review - Regulation 61 Notice response	03/03/2022	Response received from the operator.
Permit Review - Application (variation and consolidation) EPR/BT2777IK/V007	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, Non-hazardous and inert waste: appropriate measures for permitted facilities published 12 July 2021 and Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities published 13 July 2022.

Status log of the permit		
Description	**Date**	**Comments**
Response to request for information (RFI) dated 23/01/2024	23/02/2024	Further information relating to abatement, enclosure of open topped tanks, IBC shredder, waste acceptance/pre-acceptance, and compliance with BAT-AELs.
Response to request for information (RFI) dated 09/04/2024	29/05/2024	Further information relating to surface water run-off, medium combustion plant and waste segregation procedures.
Response to request for information (RFI) dated 26/07/2024	09/09/2024	Further information relating to waste (EWC) codes, activities and R and D codes.
Response to request for information (RFI) dated 19/08/2025	03/09/2025	Revised tank inventory provided with comparison to previous inventory.
Environment Agency Waste Treatment Sector Review Permit reviewed Variation determined EPR/BT2777IK/V007	25/03/2026	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/BT2777IK

Issued to

Malary Limited ("the operator")

whose registered office is

Malary House
Brookfield Business Centre
Twentypence Road
Cottenham
Cambridge
CB24 8PS

company registration number **05700984**

to operate regulated facilities at

Cottenham Oil Treatment Plant
Malary House
Brookfield Business Centre
Twentypence Road
Cottenham
Cambridge
CB24 8PS

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

Name	Date
Anne Lloyd	**25/03/2026**

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/BT2777IK

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BT2777IK/V007 authorising,

Malary Limited ("the operator"),

whose registered office is

Malary House
Brookfield Business Centre
Twentypence Road
Cottenham
Cambridge
CB24 8PS

company registration number **05700984**

to operate an installation and waste operations at

Cottenham Oil Treatment Plant
Malary House
Brookfield Business Centre
Twentypence Road
Cottenham
Cambridge
CB24 8PS

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

Name	Date
Anne Lloyd	**25/03/2026**

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 AR8, 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 AR8, 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 green 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 table(s) S2.2 to S2.11; 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.

2.3.7 For the following activities referenced in Schedule 1 Table S1.1 AR7:

(a) the operator must keep periods of start-up and shut down of the combustion plant as short as possible.

(b) there shall be no persistent emission of 'dark smoke' as defined in section 3(1) of the Clean Air Act 1993.

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.

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.

3.4 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.

3.5 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.

3.5.5 For the following activities referenced in schedule 1, table S1.1 AR7

(a) For existing MCPs monitoring measurements shall be carried out before the relevant compliance date or within four months of the issue date of the permit whichever is the later.

3.5.6 Monitoring of MCP shall not take place during periods of start-up or shut down.

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.

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 AR8, 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;

(c) a record of the type and quantity of fuel used and the total annual operating hours for each MCP; and,

(d) 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) (x) – Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving oil re-refining or other re-uses of oil.	Recovery of waste oils R9: Oil re-refining or other re-uses of oil.	From treatment of oily wastes in the oil processing building including centrifugation (centrifuges and centrifuge tanks P10, P12, P13 and P14) and treatment tanks (P2, P5 and P6 – external to the building) shown in the plan in Schedule 7 to temporary storage of PFO (processed fuel oil) RFO (residual fuel oil) pending further on-site treatment or transfer off-site for further recovery. Oil treatment involves heating, separation, addition of Diammonium Phosphate (DAP) mixture, centrifuge, distillation, heating and refining using centrifuges, sludge grinders and flash evaporators. DAP mixing, heating and stirring of oil takes place in 'P tanks' and the discharge from the flash evaporator is collected in tanks H1, H2, H4 and H5 as shown on the plan in schedule 7. No more than 96 tonnes per day of hazardous waste shall be treated by this activity. Treatment shall take place in the oil processing building (including centrifuges and centrifuge tanks) and tanks P2, P5 and P6 on an impermeable surface with sealed drainage. 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 Treated waste oils including process fuel oils (PFO) shall be stored in tanks G1 to G4 or 'R' tanks, oily wastes

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**
			including RFO (residual fuel oil) shall be stored in 'M' tanks, other aqueous wastes shall be stored in H1, H2, H4, H5 and ST5, ST6, ST7 or ST8. All wastes shall be stored on an impermeable surface with sealed drainage and for no longer than 6 months pending transfer off-site. 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	Physical/chemical treatment of aqueous wastes. D9: Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12	From treatment of hazardous effluent by separation of solids through use of interceptors, shakers, sieves and filtration and by dissolved air flotation plant in the oil processing building as shown in schedule 7 prior to temporary storage of any oils and oily waters/residues in tanks H1, H2, H4, H5 and ST5, ST6, ST7 or ST8 pending further on-site treatment or transfer off site and temporary storage of water-based effluents in tanks WT1, WT1A, WT2, WT4 or WT4A pending disposal via sewer or by transfer off-site. No more than 100 tonnes per day of waste shall be treated by this activity. 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 on an impermeable surface with sealed drainage. Treated waste oils, oily waters and sludges shall be stored for no longer than 6 months in tanks H1, H2, H4, H5 and ST5, ST6, ST7, ST8. Wastewaters shall be stored in tanks WT1, WT1A, WT2, WT4 or WT4A on

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**
			an impermeable surface with sealed drainage. 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) (ii) – Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	Recovery of oil filters R3: Recycling/reclamation of organic substances which are not used as solvents R4: Recycling/reclamation of metals and metal compounds	From treatment of oil filters in the oil filter segregation/SRF buildings shown in the plan in Schedule 7 involving sorting (conveyors), shredding (oil filter shredder), spinning (centrifuge) and physical separation using a band magnet to storage and transfer off site. No more than 41 tonnes per day of hazardous waste shall be treated by this activity. Treatment shall take place in a dedicated building on an impermeable surface with sealed drainage. Treated wastes (oils, metals, paper) shall be stored on an impermeable surface and for no longer than 6 months. Metals and paper (as solid recovered fuel) shall be stored in the waste storage bays (labelled 'storage' in schedule 7), waste oils shall be stored in tanks H1, H2, H4, H5 and ST5, ST6, ST7 or ST8. No waste types shall be submitted to this activity other than those wastes specified in Schedule 2, Table S2.4.
AR4	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	Recycling of oily rags. R3: Recycling/reclamation of organic substances which are not used as solvents	From treatment of rags contaminated with oil by sorting, shredding (SRF shredder) and spinning (centrifuge), washing, drying and air separation techniques in the SRF building shown on the plan in Schedule 7 to storage or transfer off site. No more than 41 tonnes per day of hazardous waste shall be treated by this activity. Treatment shall take place in a building on an impermeable surface with sealed drainage. Treated wastes (oils, cloths and rags) shall be stored on an impermeable surface and for no longer than 6 months. Extracted oils/liquid wastes shall be stored in tanks H1, H2, H4 or H5, ST5, ST6, ST7 or ST8. Treated

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**
			cloths and rags shall be stored in waste storage bays pending transfer off site for use as solid recovered fuels or further recovery. No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Table S2.5.
AR5	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 packaging contaminated with hazardous waste. R3: Recycling/reclamation of organic substances which are not used as solvents R4: Recycling/reclamation of metals and metal compounds	From treatment of wastes by sorting (conveyers), shredding (plastic shredders), washing, crushing (drums), drying and granulating plastics in the recycling building shown in Schedule 7 to bulking and storage of clean materials pending transfer off site for re-use and bulking and storage of residues/unrecyclable material for no longer than 6 months prior to transfer off site for disposal. Treatment shall take place in a building on an impermeable surface with sealed drainage. No more than 41 tonnes per day of hazardous waste shall be treated by this activity. Treated waste packaging shall be stored on an impermeable surface and for no longer than 6 months in the waste storage areas labelled ‘storage’ in schedule 7. No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Table S2.6 and packaging discarded during hazardous waste activities AR1 to AR6.
AR6	Section 5.6 Part A(1) (a) – Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in section 5.3	Temporary storage of hazardous waste. R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced D15: Storage pending any of the operations numbered D1	From receipt and storage of hazardous waste on site to its treatment (activities AR1-AR5) or transfer off site pending further treatment or disposal. The maximum storage of WEEE under this activity is 20 tonnes at any one time. All batteries shall be stored in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system.

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**
		to D14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lead acid batteries shall be stored upright with terminals taped off or capped, in acid proof containers to prevent leaks and short circuits. Lamps shall be stored in rigid lidded, leakproof and weatherproof containers. CRT equipment shall be stored in cages, bulk bags or securely on pallets to prevent breakage. All flat panel display equipment shall be stored in cages, stillages or securely on pallets. Flat panel display equipment which may contain cold cathode fluorescent backlights shall be stored under weatherproof covering. Across all hazardous activities, the amount of hazardous waste stored on site at any one time shall not exceed 4,500 tonnes. Wastes oils/oily wastes shall be stored in tanks P1, H1, H2, H4, H5, M1, M3, M5, ST5, ST6, ST7, ST8. Waste effluents shall be stored in tanks WT1, WT1A, WT2, WT4 or WT4A. Solid or containerised wastes shall be stored in waste storage bays (marked 'storage') shown in schedule 7. No waste shall be repackaged on site. Wastes shall be stored for no longer than 6 months. No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Table S2.7.
Directly Associated Activity			
AR7	Steam supply from operation of Schedule 25A Medium Combustion Plant	The operation of 2 X 2.35 MWth boilers, which are existing MCPs, fuelled on gas oil (including kerosene) to produce steam.	From receipt of fuel to dispatch of steam to activities and release of products of combustion to air. Limits to the use of raw materials are specified in Schedule 2, table S2.1.
AR8	Surface and process water collection, storage and discharge.	Collection and discharge of process water from effluent treatment process and run-off from areas were waste is stored and treated including	From collection of process water from effluent treatment process (AR2) and contaminated site surface water to discharge to foul sewer via oil interceptor.

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**
		bunds.	
		Collection and discharge of uncontaminated site surface water.	From collection of site surface water to discharge to W3 via oil interceptor.

Table S1.1 Activities		
Waste Operations		
Activity reference	**Description of activities for waste operations**	**Limits of activities**
AR9	Physico-chemical treatment of non-hazardous effluent D9: Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12	From treatment of non-hazardous effluent by separation of solids through use of interceptors, shakers, sieves and filtration and by dissolved air flotation plant (tank WT8) prior to temporary storage of water-based effluents in tanks WT1, WT1A as shown in the plan in schedule 7 pending disposal. Treatment shall take place on an impermeable surface with sealed drainage. No more than 50 tonnes per day of non-hazardous effluents shall be sent for disposal through this activity. Treated waste oils, oily waters and sludges shall be stored for no longer than 6 months in tanks H1, H2, H4, H5 and ST5, ST6, ST7, ST8. Wastewaters shall be stored in tanks WT1, WT1A, WT2, WT4 or WT4A on an impermeable surface with sealed drainage. No waste types shall be submitted to this activity other than those specified in Schedule 2, Table S2.8.
AR10	Physico-chemical treatment of non-hazardous rags. R5: Recyclying/reclamation of other inorganic materials.	From treatment of rags by sorting, shredding (SRF shredder) and spinning (centrifuge) washing, drying and air separation techniques in the SRF building shown on the plan in Schedule 7 to storage or transfer off site. Treatment shall take place in the SRF building shown in the plan in schedule 7 on an impermeable surface with sealed drainage. No more than 75 tonnes of waste per day shall be treated through this activity. Treated waste rags shall be stored in the waste storage bays shown in schedule 7 on an impermeable surface with sealed drainage and for no longer than 6 months. No waste types shall be submitted to this activity other than those specified in Schedule 2, Table S2.9.
AR11	Physico-chemical treatment of packaging and plastics. R3: Recycling/reclamation of organic substances which are not used as	From treatment of wastes by sorting (conveyers), shredding (two plastic shredders), washing, drying and granulating plastics in the recycling building (shown in Schedule 7) to bulking and storage of clean materials pending transfer off site for re-use

Table S1.1 Activities		
Waste Operations		
Activity reference	**Description of activities for waste operations**	**Limits of activities**
	solvents R4: Recycling/reclamation of metals and metal compounds	and bulking and storage of residues/unrecyclable material for no longer than 6 months prior to transfer off site for disposal. Treatment shall take place in the recycling building shown in the plan in schedule 7 on an impermeable surface with sealed drainage. No more than 2000 tonnes of non-hazardous waste shall be treated per annum across activities AR9 – AR11. The total quantity of non-hazardous waste to be stored on site shall be less than 3,500 tonnes at any one time. Treated waste packaging shall be stored in the waste storage bays in schedule 7 on an impermeable surface with sealed drainage and for no longer than 6 months. No waste types shall be submitted to this activity other than those specified in Schedule 2, Table S2.10 and packaging from non-hazardous waste activities AR9 to AR12.
AR12	Temporary storage of non-hazardous waste. R13: Storage of waste pending any of the operations numbered R1 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 the waste is produced)	From receipt and storage of non-hazardous waste on site in the waste storage bays shown in schedule 7 pending on site treatment (AR9 to AR11) or transfer off-site for further treatment/disposal. All batteries shall be stored in either appropriate weatherproof containers, or in appropriate containers within a building on an impermeable surface with a sealed drainage system. Nickel metal hydride (Ni-MH) batteries shall be stored in a way that will prevent them being damaged. The total quantity of non-hazardous waste to be stored on site shall be less than 3,500 tonnes at any one time. No waste shall be repackaged on site. Wastes shall be stored for no longer than 6 months. No waste types shall be submitted to this activity other than those specified in Schedule 2, Table S2.11.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Response to schedule 5 notice dated 01/03/2019 EPR/BT2777IK/V006	Written Management System: - Drainage Plan, ref. MAL-0001, dated 01/07/2016 - Rejection of Waste, ref. MAL_COM_PR_006, dated 16/07/2018 Environmental & Emergency Action Plan, ref. MAL_H&S_EP_003, dated 08/03/2019	02/08/2019

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Response to schedule 5 notice dated 28/11/2019 EPR/BT2777IK/V006	Noise Management Plan, ref APP018, dated 23/05/2019	16/12/2019
	Emission points inventory, ref. Tank Inventory - EA	16/01/2020
	Response to questions 8 and 9 regarding BAT assessment, open topped pits and uncontrolled venting to atmosphere.	27/01/2020
Response to request for further information dated 30/01/2020 EPR/BT2777IK/V006	Fire Prevention Plan dated July 2019 Odour Management Plan, ref. 2814r4, dated 10/12/2019 Tank Inventory – EA 07/02/2020 Additional information on combustion units	13/02/2020
Further information EPR/BT2777IK/V006	Written Management System: - Pre-acceptance Procedure, ref. MAL_COM_PRS_001, dated 30/07/2018 - Acceptance of Waste, ref. MAL_COM_PRS_003, dated 30/07/2018 Control of Waste, ref. MAL_COM_PRS_004, dated 30/07/2018	27/03/2020
	FPP location plan, ref. 048E-001-Site Plan Location & FPP Features, dated 13/01/2020	27/03/2020
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 Version published 12th July 2021	All parts of the appropriate measures guidance shall apply.	N/A
Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities Version published 13 July 2022.	All parts of the appropriate measures guidance shall apply.	N/A
Response to Reg 61 Notice dated 15/11/2021	Process flow diagrams and pre-acceptance/acceptance of waste procedures: - 3.0 WASTE LOCATION PLAN (excluding references to IBC shredder). - 17.0 MAL_REC_PRS_001 RECYCLING PROCESS - 18.0 MAL_REC_PRS_002 WATER TREATMENT - 24.0 MAL_REC-PRS-012 FILTER SEGREGATION PROCESS - 25.0 MAL_REC_PRS_004 SRF PROCESS - 26.0 MAL_REC_PRS_003 PLASTIC RECYCLING	03/03/2022

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
	- 27.0 MAL_PRO_PRS_001 RECYCLING OIL Response to question 19 on the Reg 61 Notice: 'Chemical Waste Reg 61 BT2777IK' dated 03/03/22 confirming the thermal input of MCPs.	
Response to request for information dated 09/04/2024	Reponses to questions 1 (a-c) and 3 in 'RFI 2 Response Letter' dated 19/04/2024 concerning site drainage and waste storage locations. Updated drainage plan 'MAL_H&S_EP_003' found within 'Waste Location Plan April 2024' dated 19/04/2024.	19/04/2024
	'Email correspondence regarding MCP information' dated 29/05/2024 containing confirmation of NACE code and thermal input.	29/05/2024
Response to request for information dated 26/07/2024	'Waste Declaration Form' dated 09/09/2024.	09/09/2024

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1 Updated emissions inventory and H1 risk assessment for emission 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 7.2 of Chemical waste: appropriate measures for permitted facilities such as: #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.'* #7.2.1 *'Your facility's emissions inventory must include information about the relevant characteristics of point source emissions to…sewer…'* The report must include: (a) the results and conclusions of the emissions monitoring and assessment undertaken in accordance with your emissions inventory. (b) a comparison of the monitoring results with the limits listed in Schedule 3, Table S3.3 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 your emissions inventory under (a) above. The assessment must 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	01/07/2026

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	required following our guidance: Surface water pollution risk assessment for your environmental permit - GOV.UK Where it is concluded that the impact of an emission may be significant or exceeds an environmental standard (e.g. an environmental quality standard EQS) the operator shall: a) Review whether there is a need for emissions limits to be lower than the limits listed in Schedule 3, Table S3.3 in order to prevent exceedance of environmental standards. b) Propose revised emission limits that will prevent exceedance of the environmental standard(s) c) Include proposals for measures to mitigate the emission to meet the relevant emission limit (for example, the provision of additional treatment or abatement) and timescales for the implementation of these measures. The proposals shall be implemented within 6 months of approval of the report or as agreed in writing by the Environment Agency.	
IC2 Air emission monitoring	The operator shall submit a written report to the Environment Agency for written approval characterising and detailing the viability of monitoring emissions to air from process tank vents (arising from waste treatment tanks P2, P5, P6, P10, P12, P13, P14) and the local exhaust vent on the oil filter shredder in the filter segregation building (AR3) (Oil Filter 1 on site plan in schedule 7) to establish if monitoring can be carried out in accordance with the requirements of the Waste treatment BAT Conclusions and Section 7.1 of Chemical waste: appropriate measures for permitted facilities (gov.uk). The report shall: a) Establish with evidence the presence/absence of key pollutants in the waste gas emission including, but not limited to, those listed in Schedule 3, Table S3.1. b) Include an assessment of the emission parameters using the certified methods set out in Schedule 3, Table S3.1 where possible, including, but not limited to, an assessment of flow (e.g. m^3/s), load (e.g. kg/hr) and concentration (e.g. mg/m^3) 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) are sufficient to undertake monitoring of emissions as required in Table S3.1. d) Outline proposals to improve the monitoring points in the event it is concluded there is sufficient emissions/flow to monitor the emission, but the monitoring/emission point does not meet the required specification for monitoring to take place.	01/10/2026 or as agreed in writing by the Environment Agency.

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	e) Outline timescales for improving monitoring points if required and the commencement of monitoring. The operator shall implement any improvements as agreed in writing by the Environment Agency.	
IC3a Monitoring of emissions from shredders in buildings	The operator shall submit a written report to the Environment Agency for approval that proposes a monitoring programme to assess emissions from the SRF shredder (AR4 and AR10) (in SRF building) and the two plastic recycling shredders (AR5 and AR11) (in the recycling building) in accordance with the requirements of Section 6 of the Chemical waste: appropriate measures for permitted facilities (gov.uk) guidance including: 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.* The report must contain: • Details of parameters, substances and locations, (including near the SRF shredder and the plastic shredders) to be monitored. • The monitoring methods and equipment to be used; and • A timetable for undertaking the monitoring. The monitoring programme shall be carried out as approved by the Environment Agency.	01/07/2026
IC3b Assessment of shredder emissions	The operator shall review the monitoring data collected under IC3a and provide a written report to the Environment Agency for approval in accordance with the requirements of Sections 6 of the Chemical waste: appropriate measures for permitted facilities (gov.uk) guidance including: 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.* 6.2.5. *Where necessary, to prevent fugitive emissions to air from the storage and handling of wastes, you should use a combination of the following measures:* • *store and handle such wastes within a building or enclosed equipment* • *keep buildings and equipment under adequate negative pressure with an appropriate abated air circulation or extraction system* • *where possible, locate air extraction points close to potential emissions sources*	01/10/2026 or as agreed in writing by the Environment Agency.

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	• *use fully enclosed material transfer and storage systems and equipment, for example, conveyors, hoppers, containers, tanks and skips* • *use fast-acting or 'airlock' doors that default closed* • *keep building doors and windows shut to provide containment, other than when access is required* • *minimising drop height* • *use misting systems and wind barriers to prevent dust* 6.2.11 *You must fully enclose and contain pre- and post-treatment shredder plant to prevent emissions. You must design and operate the shredder plant using appropriate process interlocks. The plant should not operate unless it is enclosed and contained, for example, only working when the loading door on the hopper has been closed or sealed. Dust and microbial emissions from the shredder plant must be contained and extracted to an appropriate abatement system, for example HEPA air filtration.* The report shall: • Establish with evidence if there are diffuse emissions of e.g. VOCs or dust, in the locations described in IC3a. • Review the effectiveness of the facilities' measures to prevent diffuse emissions and propose additional measures as required. • Include proposals and timescales for channelling the emission to an emission point where this is required or emissions are substantiated (in this case the emission must also be abated – see IC4a below). • Include proposals for ongoing monitoring where required. The improvements shall be implemented within the timescales approved by The Environment Agency.	
IC4a Enclosure, extraction, collection and abatement of emissions from storage/treatment tanks.	The operator shall submit a plan to the Environment Agency for approval for the enclosure of treatment/storage vessels (where they are not already enclosed and emissions are present) and the installation, maintenance and operation of an abatement system designed to reduce emissions of VOCs/dust from oil/hazardous waste storage and treatment tanks/plant such as from tank vents or pressure relief valves that could emit VOCs/dust including P1, P2, P5, P6, P10, P12, P13, P14, WT1, WT1A, WT2, WT4, WT4A, M1, M3, M5, H1, H2, H4, H5, ST5, ST6, ST7, ST8, treatment of aqueous wastes (AR2 and AR9), local extraction vent serving oil filter shredder (AR3) and any additional emission points established under IC3b. The plan must demonstrate compliance with sections 4 and 6 of Chemical waste: appropriate measures for permitted facilities e.g. 4.11. *You must not store hazardous waste in open-topped containers. Empty open-topped containers should be kept in a building or undercover to prevent rainwater ingress.*	01/10/2026 or as agreed in writing by the Environment Agency.

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	4.43. *You should vent bulk storage tanks and silos through suitable abatement.* 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.* 6.1.4 *To reduce point source emissions to air (for example, dust, volatile organic compounds and odour) from the treatment of waste, you must use an appropriate combination of abatement techniques.* 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 (where applicable) • The timescale for implementation. Where an alternative measure is proposed, the plan must contain: • detailed justification, including a risk assessment and cost/benefit analysis as per our guidance Best available techniques: environmental permits - GOV.UK. The plan shall be implemented in accordance with the Environment Agency's written approval.	
IC4b Abatement system	The agreed abatement system(s) approved under IC2a shall be installed and operated in accordance with the Environment Agency's written approval.	6 months from completion of IC4a or as agreed in writing by the Environment Agency.
IC5 Updated emissions inventory and H1 risk assessment of 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 7.1 of Chemical waste: appropriate measures for permitted facilities such as: #6.1.3 *'You must assess the fate and impact of the substances emitted to air, following the Environment Agency's risk assessment methodology'.* #7.1.1 *'Your facility's emissions inventory must include information about the relevant characteristics of point source emissions to air'* The report must include:	The report shall be submitted 3 months from approval of the report submitted under IC4a or as agreed in writing by the Environment Agency.

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	(d) the results and conclusions of the emissions monitoring and assessment undertaken in accordance with your emissions inventory. (e) a comparison of the monitoring results with the limits listed in Schedule 3, Table S3.1 for each parameter. (f) the results and conclusions from an assessment of the environmental impact of the emissions to air using all relevant parameters identified from your emissions inventory under (a) above. The assessment must 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 an emission may be significant or exceeds an environmental standard (e.g. an environmental standard) the operator shall: a) Review whether there is a need for emissions limits to be lower than the limits listed in Schedule 3, Table S3.1 in order to prevent exceedance of environmental standards. b) Propose revised emission limits that will prevent exceedance of the environmental standard(s) c) Include proposals for measures to mitigate the emission to meet the relevant emission limit (for example, the provision of additional treatment or abatement) and timescales for the implementation of these measures. The proposals shall be implemented within 6 months of approval of the report or as agreed in writing by the Environment Agency.	
IC6 Containment of run-off from waste storage bays	The operator shall review the discharge of surface water run-off from the waste storage bays via discharge point W3 and submit a written report to the Environment Agency for approval. The operator shall demonstrate how they meet/will meet the following requirements of sections 4 and 6 of the chemical waste: appropriate measures for permitted facilities guidance: • 6.5.5 *You must use suitable drainage infrastructure to collect surface drainage from areas of the facility where you store, handle and treat waste. You must also collect wash waters and occasional spillages. Depending on the pollutant content, you must either recirculate what you have collected or send it for further treatment.* • 4.14 *You must provide adequate bunding of all storage areas, and containment and treatment of any water run-off.* The operator shall complete any proposals in the report to timescales and specifications approved in writing by the Environment Agency.	01/10/2026

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC7 Storage of Flammables – sealed drainage	The operator shall submit a plan to the Environment Agency for written approval. The plan shall detail proposals for storing flammable waste and materials to ensure compliance with the requirements of the Environment Agency's guidance Chemical waste: appropriate measures for permitted facilities section 4: • 4.20 *You must keep incompatible wastes segregated so that they cannot come into contact with one another. You must store flammable wastes apart from other wastes to prevent fire spreading between them and other materials. You must use sealed drainage systems to prevent leaks and spillages contaminating other wastes.* The plan must explain how leaks and spillages of flammable substances will be contained within the flammables bay. The plan shall include timescales for compliance with the guidance above. The plan shall be implemented to the approved timescales and specifications, and within 6 months of approval, unless otherwise confirmed in writing by the Environment Agency.	01/07/2026
IC8 Storage and handling of wastes in quarantine	The operator shall review and update their waste storage, segregation and handling procedures in the quarantine area to ensure that they meet the requirements of the Environment Agency's guidance Chemical waste: appropriate measures for permitted facilities referred to in Table S1.2. Specifically, the operator must demonstrate that the following appropriate measure(s) of the guidance will be met: • 4.20 *You must keep incompatible wastes segregated so that they cannot come into contact with one another. You must store flammable wastes apart from other wastes to prevent fire spreading between them and other materials. You must use sealed drainage systems to prevent leaks and spillages contaminating other wastes.* Existing procedures must be updated to ensure suitable segregation for incompatible substances (notably WEEE and flammable substances) stored under quarantine or in the quarantine area. The updated procedure(s) shall be submitted to the Environment Agency for approval.	01/06/2026

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
Gas oil or an equivalent substitute to be agreed in writing with the Environment Agency.	Less than 0.1% sulphur content.

Table S2.2 Permitted waste types and quantities for activity AR1 – Hazardous Oil Treatment	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR1 shall be less than 35,000 tonnes per year.
Waste code	**Description**
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**
05 01	**wastes from petroleum refining**
05 01 05*	oil spills
11	**Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy**
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, anodising)**
11 01 13*	degreasing wastes containing hazardous substances
12	**Wastes from shaping and physical and mechanical surface treatment of metals 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 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

Table S2.2 Permitted waste types and quantities for activity AR1 – Hazardous Oil Treatment	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR1 shall be less than 35,000 tonnes per year.
Waste code	**Description**
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**
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 01*	desalter sludges or emulsions
13 08 02*	other emulsions
16	**Wastes not otherwise specified in the list**
16 07	**wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)**
16 07 08*	wastes containing oil
16 07 09*	wastes containing other hazardous 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	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 07*	oil and concentrates from separation
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 and quantities for activity AR2 – Hazardous Effluent Treatment	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR2 shall be less than 36,500 tonnes per year.
Waste code	**Description**
13	**Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)**
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
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 and quantities for AR3 – Hazardous Oil Filter Treatment	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR3 shall be less than 15,000 tonnes per year.
Waste code	**Description**
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

Table S2.5 Permitted waste types and quantities for AR4 – Hazardous Rags Treatment	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR4 shall be less than 15,000 tonnes per year.
Waste code	**Description**
15	**Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified**
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 hazardous substances

Table S2.6 Permitted waste types and quantities for AR5 –Treatment of contaminated packaging	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR5 shall be less than 15,000 tonnes per year.
Waste code	**Description**
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 hazardous substances

Table S2.7 Permitted waste types and quantities for activity AR6 – Hazardous Waste Storage and Transfer	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR6 for storage prior to off-site transfer shall be less than 35,000 tonnes per year.
Waste code	**Description**
03	**Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard**
03 01	**wastes from wood processing and the production of panels and furniture**
03 01 04*	sawdust, shavings, cuttings, wood, particle board and veneer containing hazardous substances
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 09*	sludges from on-site effluent treatment containing hazardous substances
06	**Wastes from inorganic chemical processes**
06 05	**sludges from on-site effluent treatment**
06 05 02*	sludges from on-site effluent treatment containing hazardous substances
07	**Wastes from organic chemical processes**
07 01	**wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals**
07 01 01*	aqueous washing liquids and mother liquors
07 01 11*	sludges from on-site effluent treatment containing hazardous substances
07 02	**wastes from the MFSU of plastics, synthetic rubber and man-made fibres**
07 02 01*	aqueous washing liquids and mother liquors
07 02 10*	other filter cakes and spent absorbents
07 02 11*	sludges from on-site effluent treatment containing hazardous substances
07 03	**wastes from the MFSU of organic dyes and pigments (except 06 11)**
07 03 01*	aqueous washing liquids and mother liquors
07 03 10*	other filter cakes and spent absorbents

Table S2.7 Permitted waste types and quantities for activity AR6 – Hazardous Waste Storage and Transfer	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR6 for storage prior to off-site transfer shall be less than 35,000 tonnes per year.
Waste code	**Description**
07 03 11*	sludges from on-site effluent treatment containing hazardous substances
07 04	**wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides**
07 04 11*	sludges from on-site effluent treatment containing hazardous substances
07 06	**wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics**
07 06 01*	aqueous washing liquids and mother liquors
07 06 10*	other filter cakes and spent absorbents
07 06 11*	sludges from on-site effluent treatment containing hazardous substances
07 07	**wastes from the MFSU of fine chemicals and chemical products not otherwise specified**
07 07 10*	other filter cakes and spent absorbents
07 07 11*	sludges from on-site effluent treatment containing hazardous substances
08	**Wastes from the 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 hazardous substances
08 01 13*	sludges from paint or varnish containing organic solvents or other hazardous substances
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances
08 01 17*	wastes from paint or varnish removal containing organic solvents or other hazardous substances
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other hazardous substances
08 01 21*	waste paint or varnish remover
08 03	**wastes from MFSU of printing inks**
08 03 12*	waste ink containing hazardous substances
08 03 14*	ink sludges containing hazardous substances
08 03 16*	waste etching solutions
08 03 17*	waste printing toner containing hazardous substances
08 03 19*	disperse oil
08 04	**wastes from MFSU of adhesives and sealants (including water proofing products)**
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
08 04 11*	adhesive and sealant sludges containing organic solvents or other hazardous substances
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other hazardous substances
09	**Wastes from the photographic industry**
09 01	**wastes from the photographic industry**

Table S2.7 Permitted waste types and quantities for activity AR6 – Hazardous Waste Storage and Transfer	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR6 for storage prior to off-site transfer shall be less than 35,000 tonnes per year.
Waste code	**Description**
09 01 01*	water-based developer and activator solutions
10	**Wastes from thermal processes**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 20*	sludges from on-site effluent treatment containing hazardous substances
10 01 22*	aqueous sludges from boiler cleansing containing hazardous substances
10 02	**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
11	**Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy**
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, anodising)**
11 01 13*	degreasing wastes containing hazardous substances
12	**Wastes from shaping and physical and mechanical surface treatment of metals 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 14*	machining sludges containing hazardous substances
12 01 16*	waste blasting material containing hazardous substances
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

Table S2.7 Permitted waste types and quantities for activity AR6 – Hazardous Waste Storage and Transfer	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR6 for storage prior to off-site transfer shall be less than 35,000 tonnes per year.
Waste code	**Description**
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
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 02*	petrol
13 07 03*	other fuels (including mixtures)
13 08	**oil wastes not otherwise specified**
13 08 01*	desalter sludges or emulsions
13 08 02*	other emulsions
15	**Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified**

Table S2.7 Permitted waste types and quantities for activity AR6 – Hazardous Waste Storage and Transfer	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR6 for storage prior to off-site transfer shall be less than 35,000 tonnes per year.
Waste code	**Description**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 10*	packaging containing residues of or contaminated by hazardous substances
15 01 11*	metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers
15 02	**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 hazardous 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
16 01 14*	antifreeze fluids containing hazardous substances
16 01 21*	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
16 02	**wastes from electrical and electronic equipment**
16 02 09*	transformers and capacitors containing PCBs
16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 15*	hazardous components removed from discarded equipment
16 03	**off-specification batches and unused products**
16 03 03*	inorganic wastes containing hazardous substances
16 03 05*	organic wastes containing hazardous substances
16 06	**batteries and accumulators**
16 06 01*	lead batteries
16 07	**wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)**
16 07 08*	wastes containing oil
16 07 09*	wastes containing other hazardous substances
16 10	**aqueous liquid wastes destined for off-site treatment**
16 10 01*	aqueous liquid wastes containing hazardous substances
16 10 03*	aqueous concentrates containing hazardous substances
17	**Construction and demolition wastes (including excavated soil from contaminated sites)**
17 02	**wood, glass and plastic**

Table S2.7 Permitted waste types and quantities for activity AR6 – Hazardous Waste Storage and Transfer	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR6 for storage prior to off-site transfer shall be less than 35,000 tonnes per year.
Waste code	**Description**
17 02 04*	glass, plastic and wood containing or contaminated with hazardous substances
17 04	**metals (including their alloys)**
17 04 09*	metal waste contaminated with hazardous substances
17 04 10*	cables containing oil, coal tar and other hazardous substances
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 03*	soil and stones containing hazardous substances
17 05 05*	dredging spoil containing hazardous 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 01	**wastes from incineration or pyrolysis of waste**
19 01 07*	solid wastes from gas treatment
19 01 13*	fly ash containing hazardous substances
19 01 15*	boiler dust containing hazardous substances
19 01 17*	pyrolysis wastes containing hazardous substances
19 02	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 04*	premixed wastes composed of at least one hazardous waste
19 02 05*	sludges from physico/chemical treatment containing hazardous substances
19 02 07*	oil and concentrates from separation
19 02 11*	other wastes containing hazardous substances
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 08 13*	sludges containing hazardous substances from other treatment of industrial waste water
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 06*	wood containing hazardous substances
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances
19 13	**wastes from soil and groundwater remediation**
19 13 01*	solid wastes from soil remediation containing hazardous substances
19 13 03*	sludges from soil remediation containing hazardous substances
19 13 05*	sludges from groundwater remediation containing hazardous substances
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing hazardous substances
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**

Table S2.7 Permitted waste types and quantities for activity AR6 – Hazardous Waste Storage and Transfer	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR6 for storage prior to off-site transfer shall be less than 35,000 tonnes per year.
Waste code	**Description**
20 01	**separately collected fractions (except 15 01)**
20 01 13*	solvents
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
20 01 26*	oil and fat other than those mentioned in 20 01 25
20 01 27*	paint, inks, adhesives and resins containing hazardous substances
20 01 29*	detergents containing hazardous substances
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 37*	wood containing hazardous substances

Table S2.8 Permitted waste types and quantities for AR9 – Treatment of non-hazardous effluents	
Maximum quantity	The total quantity of waste to be accepted at the site under activities AR9-AR11 shall be less than 2,000 tonnes per year.
Waste code	**Description**
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**
05 01	**wastes from petroleum refining**
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
06	**Wastes from inorganic chemical processes**
06 05	**sludges from on-site effluent treatment**
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
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
10	**Wastes from thermal processes**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 02	**wastes from the iron and steel industry**
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
11	**Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy**

Table S2.8 Permitted waste types and quantities for AR9 – Treatment of non-hazardous effluents	
Maximum quantity	The total quantity of waste to be accepted at the site under activities AR9-AR11 shall be less than 2,000 tonnes per year.
Waste code	**Description**
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, anodising)**
11 01 14	degreasing wastes other than those mentioned in 11 01 13
12	**Wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 15	machining sludges other than those mentioned in 12 01 14
16	**Wastes not otherwise specified in the list**
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
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	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 13	**wastes from soil and groundwater remediation**
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
19 13 08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07

Table S2.9 Permitted waste types and quantities for AR10 – Treatment of non-hazardous rags	
Maximum quantity	The total quantity of waste to be accepted at the site under activities AR9-AR11 shall be less than 2,000 tonnes per year.
Waste code	**Description**
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 01	paper and cardboard packaging
15 01 09	textile packaging
15 02	**absorbents, filter materials, wiping cloths and protective clothing**
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

Table S2.9 Permitted waste types and quantities for AR10 – Treatment of non-hazardous rags	
Maximum quantity	The total quantity of waste to be accepted at the site under activities AR9-AR11 shall be less than 2,000 tonnes per year.
Waste code	**Description**
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 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 01	paper and cardboard
19 12 08	textiles
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 10	clothes
20 01 11	textiles

Table S2.10 Permitted waste types and quantities for AR11 – Treatment of non-hazardous packaging and plastics.	
Maximum quantity	The total quantity of waste to be accepted at the site under activities AR9-AR11 shall be less than 2,000 tonnes per year.
Waste code	**Description**
02	**Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing**
02 01	**wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing**
02 01 04	waste plastics (except packaging)
07	**Wastes from organic chemical processes**
07 02	**wastes from the MFSU of plastics, synthetic rubber and man-made fibres**
07 02 13	waste plastic
12	**Wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 05	plastics shavings and turnings
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 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging

Table S2.10 Permitted waste types and quantities for AR11 – Treatment of non-hazardous packaging and plastics.	
Maximum quantity	The total quantity of waste to be accepted at the site under activities AR9-AR11 shall be less than 2,000 tonnes per year.
Waste code	**Description**
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 19	plastic
17	**Construction and demolition wastes (including excavated soil from contaminated sites)**
17 02	**wood, glass and plastic**
17 02 03	plastic
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 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 04	plastic and rubber
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 39	plastics

Table S2.11 Permitted waste types and quantities for AR12 – Storage and transfer of non-hazardous waste	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR12 for transfer shall be less than 3,500 tonnes per year.
Waste code	**Description**
02	**Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing**
02 01	**wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing**
02 01 04	waste plastics (except packaging)
02 02	**wastes from the preparation and processing of meat, fish and other foods of animal origin**
02 02 04	sludges from on-site effluent treatment
03	**Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard**
03 01	**wastes from wood processing and the production of panels and furniture**
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**

Table S2.11 Permitted waste types and quantities for AR12 – Storage and transfer of non-hazardous waste	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR12 for transfer shall be less than 3,500 tonnes per year.
Waste code	**Description**
05 01	**wastes from petroleum refining**
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 17	bitumen
06	**Wastes from inorganic chemical processes**
06 05	**sludges from on-site effluent treatment**
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
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
07 02	**wastes from the MFSU of plastics, synthetic rubber and man-made fibres**
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 13	waste plastic
07 03	**wastes from the MFSU of organic dyes and pigments (except 06 11)**
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04	**wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides**
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 06	**wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics**
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07	**wastes from the MFSU of fine chemicals and chemical products not otherwise specified**
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11
08	**Wastes from the 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 15	ink sludges other than those mentioned in 08 03 14

Table S2.11 Permitted waste types and quantities for AR12 – Storage and transfer of non-hazardous waste	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR12 for transfer shall be less than 3,500 tonnes per year.
Waste code	**Description**
08 03 18	waste printing toner other than those mentioned in 08 03 17
08	**Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks**
08 04	**wastes from MFSU of adhesives and sealants (including water proofing 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
10	**Wastes from thermal processes**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 02	**wastes from the iron and steel industry**
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
10 03	**wastes from aluminium thermal metallurgy**
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 11	**wastes from manufacture of glass and glass products**
10 11 03	waste glass-based fibrous materials
11	**Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy**
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, anodising)**
11 01 14	degreasing wastes other than those mentioned in 11 01 13
12	**Wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 05	plastics shavings and turnings
12 01 15	machining sludges other than those mentioned in 12 01 14
12 01 17	waste blasting material other than those mentioned in 12 01 16
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 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging

Table S2.11 Permitted waste types and quantities for AR12 – Storage and transfer of non-hazardous waste	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR12 for transfer shall be less than 3,500 tonnes per year.
Waste code	**Description**
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 and 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 03	end-of-life tyres
16 01 15	antifreeze fluids other than those mentioned in 16 01 14
16 01 16	tanks for liquefied gas
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 19	plastic
16 01 20	glass
16 01 22	components not otherwise specified
16 02	**wastes from electrical and electronic equipment**
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	**off-specification batches and unused products**
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
16 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**
17 01 01	concrete
17 01 02	bricks
17 02	**wood, glass and plastic**
17 02 01	wood
17 02 02	glass

Table S2.11 Permitted waste types and quantities for AR12 – Storage and transfer of non-hazardous waste	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR12 for transfer shall be less than 3,500 tonnes per year.
Waste code	**Description**
17 02 03	plastic
17 04	**metals (including their alloys)**
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 09	**other construction and demolition wastes**
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
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 01	**wastes from incineration or pyrolysis of waste**
19 01 16	boiler dust other than those mentioned in 19 01 15
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 02	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 09	**wastes from the preparation of water intended for human consumption or water for industrial use**
19 09 04	spent activated carbon
19 09 05	saturated or spent ion exchange resins
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 01	paper and cardboard
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 05	glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sand, stones)

Table S2.11 Permitted waste types and quantities for AR12 – Storage and transfer of non-hazardous waste	
Maximum quantity	The total quantity of waste to be accepted at the site under activity AR12 for transfer shall be less than 3,500 tonnes per year.
Waste code	**Description**
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	**wastes from soil and groundwater remediation**
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
19 13 08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
20	**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
20 01 10	clothes
20 01 11	textiles
20 01 25	edible oil and fat
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 30	detergents other than those mentioned in 20 01 29
20 01 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals

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**	**Monitoring standard or method**
P2, P5 and P6 shown in figure 2 in Schedule 7	Oil re-refining process tank vent upon conclusion of IC2	Total Volatile Organic Compounds (TVOCs)	30 mg/m^3 Note 5	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months Note 4, 10	EN 12619
		Speciated Volatile Organic Compounds Note 6	No limit set			PD CEN/TS 13649
P10, P12, P13 and P14 shown in figure 2 in Schedule 7	Oil re-refining process centrifuge tank vent upon conclusion of IC2	Total Volatile Organic Compounds (TVOCs)	30 mg/m^3 Note 5	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months Note 4,10	EN 12619
		Speciated Volatile Organic Compounds Note 6	No limit set			PD CEN/TS 13649
Oil Filter 1 shown in figure 2 in Schedule 7	Emissions from local exhaust vent serving oil filter shredder (AR3) upon conclusion of IC2	Dust	5 mg/m^3 Note 8	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months Note 4,10	BS EN 13284-1
		Total Volatile Organic Compounds (TVOCs) Note 3	30 mg/m^3			EN 12619
DAF plant/aqueous waste treatment plant upon conclusion of IC5	Emissions from treatment of aqueous waste upon conclusion of IC5.	Total Volatile Organic Compounds (TVOCs) Note 3	20 mg/m^3 Note 7	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months Note 10	EN 12619
		Hydrogen Chloride (HCl) Note 3	5 mg/m^3			EN 1911 (Note 4)
		Ammonia (NH_3) Note 3	No limit set			EN ISO 21877 (Note 4)
SRF shredder upon conclusion of IC3b	Emissions from shredding of contaminated packaging (AR4 and AR10) in	Dust	5 mg/m^3 Note 8	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months Note 10	BS EN 13284-1
		Total Volatile Organic	30 mg/m^3			EN 12619

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**	**Monitoring standard or method**
	SRF shredder upon conclusion of IC3b	Compounds (TVOCs) Note 3				
Shredders in plastic recycling building upon conclusion of IC3b	Emissions from shredding of plastics upon conclusion of IC3b	Dust Note 3	5 mg/m^3 Note 8	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months Note 10	BS EN 13284-1
Boiler stacks (Boiler 1 and Boiler 2) shown in figure 2 in Schedule 7	Existing MCP 2.35 MWth input boiler fuelled on gas oil	Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	200 mg/m^3 Note 9 Limit applies from 01/01/2030	Periodic	Every 3 years from date of acceptance of first monitoring measurements under condition 3.5.5	BS EN 14792
		Carbon monoxide	No limit set			BS EN 15058
P1 shown in figure 2 in Schedule 7	Tank P1 – Vent from storage of waste oil/aqueous wastes.	No parameter set	No limit set	-	-	-
WT1, WT1A, WT2, WT4 and WT4a shown in figure 2 in Schedule 7	Vent from storage of effluent pending/post treatment in DAF plant.	No parameter set	No limit set	-	-	-
M1 shown in figure 2 in Schedule 7	Tank M1 Waste oil/ aqueous waste storage tank vent.	No parameter set	No limit set	-	-	-
M2 shown in figure 2 in Schedule 7	Tank M2 PFO storage tank vent.	No parameter set	No limit set	-	-	-
M3 shown in figure 2 in Schedule 7	Tank M3 Waste oil/ aqueous waste storage tank vent.	No parameter set	No limit set	-	-	-
M4 shown in figure 2 in Schedule 7	Tank M4 PFO storage tank vent	No parameter set	No limit set	-	-	-

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**	**Monitoring standard or method**
M5 shown in figure 2 in Schedule 7	Tank M5 Waste oil/ aqueous waste storage tank vent.	No parameter set	No limit set	-	-	-
H1, H2, H4 and H5 shown in figure 2 in Schedule 7	Tank H1 Waste oil storage tank vent	No parameter set	No limit set	-	-	-
ST5, ST6, ST7, ST8 shown in figure 2 in Schedule 7	Tank ST5 Waste oil storage tank vent	No parameter set	No limit set	-	-	-
G1, G2, G3, G4 shown in figure 2 in Schedule 7	Processed fuel oil storage tank vent	No parameter set	No limit set	-	-	-
G7 shown in figure 2 in Schedule 7	Tank G7 Diesel storage (for MCP) tank vent.	No parameter set	No limit set	-	-	-
R1, R2, R3, R4 shown in figure 2 in Schedule 7	Processed fuel oil storage, tank vent	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 monitoring requirement and limit only applies when the substance is present in the waste gas stream.

Note 4: An alternative monitoring frequency may be agreed in writing with the Environment Agency following completion of IC2.

Note 5: 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 6: All speciated VOCs and their concentrations shall be monitored.

Note 7: The limit is 45 mg/m^3 when the emission load is below 0.5 kg/h at the emission point.

Note 8: When a fabric filter is not applicable, an alternative limit up to 10 mg/m^3 may be agreed in writing with the Environment Agency upon conclusion of IC5 (H1 assessment).

Note 9: Monitoring limits are defined at a temperature of 273.15 K, a pressure of 101.3 kPa and after correction for the water vapour content of the waste gases at a standardised O2 content of 15% for engines and gas turbines and 3% for all other MCPs.

Note 10: 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 water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
W3 to off-site balancing pond via interceptor as shown in figures 1 and 2 in schedule 7.	Uncontaminated surface water run-off	Oils	No visible oils	-	Daily	Visual assessment – no visible oil or grease

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 Trade effluent discharge to sewer in Twentypence Road via interceptor shown in figure 1 in schedule 7. Emission to Anglian Water treated at Cambridge Water Recycling Centre.	Process effluent arising from hazardous and non-hazardous effluent treatment (AR2 and AR9) and discharge of contaminated surface water run-off.	Arsenic (expressed as As) Note 3, 6	0.1 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586 BS ISO 17378-1
		Cadmium (expressed as Cd) Note 3, 6	0.1 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586 BS EN ISO 5961
		Chromium (expressed as Cr) Note 3, 6	0.3 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586 BS EN 1233
		Hexavalent chromium (expressed as Cr(VI)) Note 3, 6	0.1 mg/l	-	Daily	EN ISO 10304-3 EN ISO 23913
		Copper (expressed as Cu) Note 3, 6	0.5 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Lead (expressed as Pb) Note 3, 6	0.3 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Manganese (Mn) Note 3	No limit set	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Mercury (expressed as Hg) Note 3, 6	10 µg/l	-	Daily	BS EN 12846 BS EN ISO 17852

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
		Nickel (expressed as Ni) Note 3, 6	1 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Zinc (expressed as Zn) Note 3, 6	2 mg/l	-	Daily	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Absorbable organically bound halogens (AOX) Note 3,6	1 mg/l	-	Daily	EN ISO 9562
		Benzene, toluene, ethylbenzene, xyelene (BTEX) Note 3,6	No limit set	-	Monthly	EN ISO 15680
		Free cyanide (CN-) Note 3,6	0.1 mg/ml	-	Daily	EN ISO 14403-1 EN ISO 14403-2
		Hydrocarbon oil index Note 6	10mg/l	-	Monthly	EN ISO 9377-2
		PFOA Note 3	No limit set	-	Every 6 months	BS ISO 25101
		PFOS Note 3	No limit set	-	Every 6 months	BS ISO 25101

Note 1: In addition, the operator shall also monitor for relevant wastewater 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

Note 3: This substance is only required to be monitored where present in the waste water emissions inventory.

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 P1, P2, P5, P6, P10, P12, P13, P14, M1, M3, M5, H1, H2, H4, H5, ST5, ST6, ST7, ST8, WT1, WT1A, WT2, WT4, WT4a, DAF/aqueous plant where applicable upon conclusion of IC4a.	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 IC4a	-
Emissions from shredders in the recycling building process subject to conclusion of IC3b.	Emissions to air	As agreed under IC3b.	As agreed under IC3b.	As agreed under IC3b.

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	P2, P5, P6, P10, P12, P13, P14, Oil Filter 1, SRF shredder, plastic shredders, DAF and aqueous treatment plant. note 1	Every 6 months	1 January
	Boiler Stack 1 and 2	Every 3 years from date of acceptance of first monitoring measurements under condition 3.5.5.	1 January
Emissions to sewer Parameters as required by condition 3.5.1	S1	Annually	1 January
Emissions to water Parameters as required by condition 3.5.1	W3	Annually	1 January
Process monitoring Parameters as required by condition 3.5.1	As agreed in writing by the Environment Agency under completion of IC4a.	As agreed in writing by the Environment Agency under completion of IC4a.	1 January
Note 1: Subject to the outcome of the relevant improvement conditions IC2, IC3b and IC5.			

Table S4.2 Annual production/treatment	
Parameter	**Units**
Hazardous waste treated (total)- Recovery	tonnes
Hazardous waste treated (total)- Disposal	tonnes
Non-hazardous waste treated (total)- Recovery	tonnes
Non-hazardous waste treated (total) - Disposal	tonnes
End of waste produced (total)	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
Water usage	Water Usage Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
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.

“compliance date” means 01/01/2025 for existing MCPs with net rated thermal input of greater than 5MW or 01/01/2030 for existing MCPs with a net rated thermal input of less than or equal to 5MW.

“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 these standard rules or from other localised or diffuse sources, which are not controlled by an emission or background concentration limits.

“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.

“existing MCP” means an MCP first put into operation before 20/12/2018.

“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.

“gas oil” includes diesel and is defined in Article 3(19) of the MCPD.

“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.

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

“Medium Combustion Plant” or ”MCP” means a combustion plant with a rated thermal input equal to or greater than 1 MW but less than 50 MW.

“Medium Combustion Plant Directive” or “MCPD” means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“new MCP” means an MCP first put into operation on or after 20/12/2018.

“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.

“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
- 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 2.9, for that those tables, they have the meaning given below:

“hazardous substance” means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

“heavy metal” means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances.

“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.

“transition metals” means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances.

“stabilisation” means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste.

“solidification” means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste.

“partly stabilised wastes” means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term.

Schedule 7 – Site plan

Figure 1: Site location, permit boundary and discharges to water/sewer

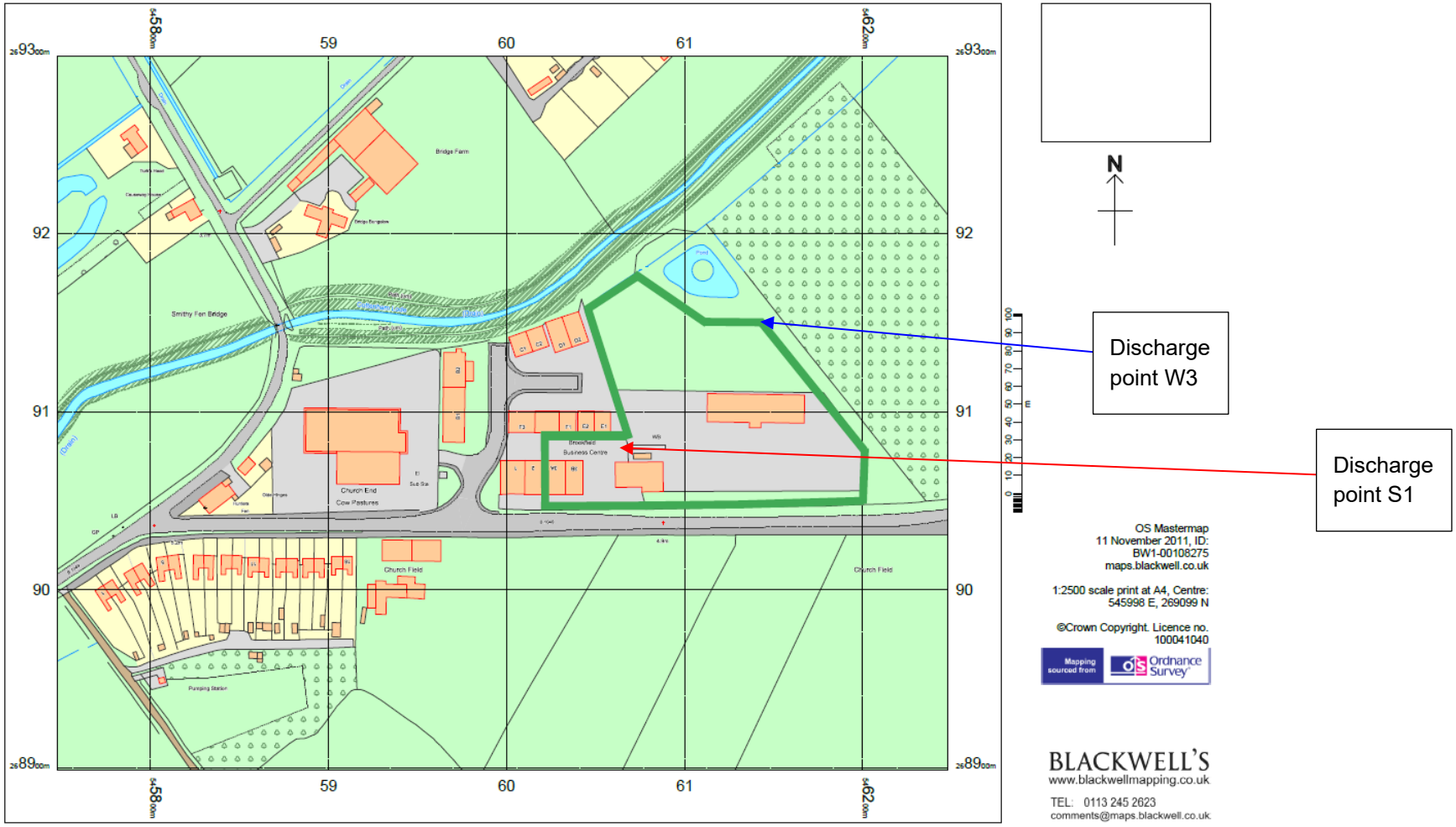

Figure 2: Site Layout plan including emission points to air