Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Tradebe Solvent Recycling Limited

Rye Process Plant
Lime Kiln Works
Rye Harbour Road
Rye
East Sussex
TN31 7TE

Variation application number

EPR/GP3437PL/V018

Permit number

EPR/GP3437PL

Rye Process Plant
Permit number EPR/GP3437PL

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”.

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.

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

We have taken this opportunity to include the following waste code: 13 03 09* - Readily biodegradable insulating heat and transmission oils, in table S2.1. This change has been initiated by an operator led permit variation application EPR/GP3437PL/V018.

Brief description of the process

This site operates a process for the recovery of solvents by distillation and the manufacture of biodiesel. The Installation is centred on grid reference TQ9313 1955, situated at Rye, East Sussex. The Installation is roughly rectangular in shape (2.3 hectares). The premises are in a mixed industrial area on Harbour Road, divided by open salt marsh from the conurbation of Rye to the north-west and Rye Harbour to the south-east.

Prior to acceptance on at the Installation, all waste solvents for recovery are subject to a pre acceptance procedure and categorised to determine their nature and composition. Materials for recycling are received via bulk road tanker or in smaller quantities in drums or Intermediate Bulk Containers (IBCs) that are extracted under vacuum and dispatched to crude tankage. Recovered solvents are despatched via bulk road tanker either back to the customer or for sale on the open market. Waste streams (process) are collected and transferred offsite for blending as Cemfuel or for disposal. Drums are sent for reconditioning, shredding or recycling and all other wastes are sent to landfill.

The tanks for storage of raw materials, intermediates and finished product are sited within bunds that retain more than 110% capacity of the largest tank. All tanks on solvent duty have fire engulfment relief provision. The bunds are contained within the larger site area providing tertiary containment.

The Installation comprises of five distillation units, distillation columns, reboilers, condensers and associated vessels, control room (critical systems have alarms and interlocking shutdowns) and two boilers (6.2 MW – main boiler, 3.4 MW standby). The boilers provide steam for the distillation process, using Product Grade Distillate blended to an agreed specification with the Agency, although boilers can also run on Gas Oil.

The emissions to air are abated using condensation and scrubbing techniques. The site could also use the existing thermal oxidiser to further reduce VOC emissions, pending a feasibility study.

The Site also stores and processes solvents that are not classified as wastes which are distilled and/or blended.

There are a number of areas of special conservation status within 10km of the site: Dungeness to Pett Level (SPA), Dungeness (SAC), Rye Harbour, Camber Sands and Rye Saltings, Walland Marsh, Dungeness, Cheyne Court, Leasam Heronry Wood, Winchelsea Cutting, Houghton Green Cliff, Pett Level, Brede Pit and Cutting (SSSI).

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 GP3437PL received	30/03/2005	(Application reference EPR/GP3437PL/A001)
Response to request for information (Schedule 4 Notice)	Request 01/07/2005	Response dated 03/08/2005
Additional Information (Schedule 4 Response) – Modelling Report	Received 08/10/2005	-
Additional Information (Schedule 4 Response) – revised WID/PPC variation existing co-incinerator application form	Dated 14/10/2005	-
Request by email for changes to the modelling report and H1	Request 12/10/2005	Response 04/11/2005
Additional Information (Schedule 4 Notice)	Request 03/11/2005	Response 14/11/2005
Email requesting clarification of waste codes for vegetable oil	Request 15/11/2005	Response 15/11/2005
Additional Information	Received 14/12/2005	Specification of all fuels and wastes
Permit GP3437PL determined	20/12/2005	-
Variation Application HP3334LV	30/03/2005	(Application reference EPR/GP3437PL/V002)
Variation HP3334LV determined	19/06/2006	-
Variation Application KP3636UN	Received 09/07/2007	(Application reference EPR/GP3437PL/V003)
Variation KP3636UN determined	28/08/2007	-
Variation Application ZP3330XN	Received 12/11/2007	(Application reference EPR/GP3437PL/V004)
Variation ZP3330XN determined	06/02/2008	-
Administrative variation EPR/GP3437PL/V005	Received 27/09/2011	Change of company registered address (reference SP3731FQ)
Variation EPR/GP3437PL determined	15/11/2011	Varied permit issued

Status log of the permit		
Description	**Date**	**Comments**
Administrative variation EPR/GP3437PL/V006	19/01/2012	Change of company name and to correct the site address (reference WP3135CD)
Variation EPR/GP3437PL determined	16/02/2012	Varied permit issued
Variation application EPR/GP3437PL/V007	30/03/2012	Change of surface water volume discharge limit (reference DP3935CW)
Variation EPR/GP3437PL determined	25/04/2012	Varied permit issued
Agency variation determined EPR/GP3437PL/V008	30/05/2013	Agency variation to implement the changes introduced by IED
Variation application EPR/GP3437PL/V009	Duly made 19/11/2013	Application to vary permit.
Variation determined EPR/GP3437PL/V009	12/12/2013	Varied permit issued.
Variation application EPR/GP3437PL/V010	Duly made 22/04/2014	Application to vary permit.
Variation determined EPR/GP3437PL/V010	13/05/2014	Varied permit issued.
Notified of change of registered office address	06/02/2015	Registered office address changed to Atlas House, Third Avenue, Globe Park, Marlow, Buckinghamshire, SL7 1EY.
Variation issued EPR/GP3437PL/V011	16/02/2015	Varied permit issued to Tradebe Solvent Recycling Limited.
Application EPR/GP3437PL/V012 (Admin variation)	Duly made 16/02/2017	Application to vary permit to add a waste code to table S6.1. Table S6.1 updated to the modern format.
Variation determined EPR/GP3437PL	20/03/2017	Varied permit issued.
Application EPR/GP3437PL/V013 (Admin variation)	Duly made 03/04/2018	Application to vary permit to add a waste code to table S6.1.
Variation determined EPR/GP3437PL	13/06/2018	Varied permit issued.
Transfer determined EPR/KP3306PP	19/03/2020	Full transfer of permit complete in full to Tradebe Chemicals Limited.
Application EPR/GP3437PL/T014 (full transfer of permit EPR/KP3306PP)	Duly made 02/02/2021	Application to transfer permit back in full to Tradebe Solvent Recycling Limited and reinstate original EPR number.
Transfer determined EPR/GP3437PL	18/02/2021	Full transfer of permit complete.
Application EPR/GP3437PL/V015 (variation application)	Duly made 29/12/2021	Application to vary the permit to add a waste code (07 02 08) to table S6.1.
Variation determined EPR/GP3437PL	18/03/2022	Notice of variation issued.

Status log of the permit		
Description	**Date**	**Comments**
Application EPR/GP3437PL/V016 (variation application)	Duly made 10/05/2023	Application to vary the permit to add waste codes.
Variation Determined EPR/GP3437PL	16/05/2023	Notice of variation issued.
Permit review- Regulation 61 Notice sent to Operator	18/11/2021	Regulation 61 Notice requiring information for statutory review of permit.
Permit review - Regulation 61 Notice response	01/03/2022	Response received from the operator.
Permit Review - Application (variation and consolidation) EPR/GP3437PL/V017	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.
Environment Agency Waste Treatment Sector Review Permit reviewed Variation determined EPR/GP3437PL/V017	03/01/2025	Varied and consolidated permit issued.
Application EPR/GP3437PL/V018 (variation application)	Duly made 04/12/2023	Application to vary the permit to add waste codes.
Variation Determined EPR/GP3437PL/V018	03/01/2025	Notice of variation 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/GP3437PL

Issued to

Tradebe Solvent Recycling Limited ("the operator")

whose registered office is

Atlas House
Third Avenue
Globe Park
Marlow
Buckinghamshire
SL7 1EY

company registration number **03890526**

to operate a regulated facility at

Rye Process Plant
Lime Kiln Works
Rye Harbour Road
Rye
East Sussex
TN31 7TE

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

Name	Date
Daniel Timney	**03/01/2025**

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of an Environment Agency initiated variation, and as a result of the application made the Operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/GP3437PL

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/GP3437PL/V018 authorising,

Tradebe Solvent Recycling Limited ("the operator"),

whose registered office is

Atlas House
Third Avenue
Globe Park
Marlow
Buckinghamshire
SL7 1EY

company registration number **03890526**

to operate an installation at

Rye Process Plant
Lime Kiln Works
Rye Harbour Road
Rye
East Sussex
TN31 7TE

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

Name	Date
Daniel Timney	**03/01/2025**

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

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

(b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

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

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

1.2 Energy efficiency

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

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

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

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

1.3 Efficient use of raw materials

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

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

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

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

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

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

1.4.1 The operator shall take appropriate measures to ensure that:

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

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

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

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

2 Operations

2.1 Permitted activities

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

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

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in 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 S2.2; 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.

Hazardous waste storage and treatment

2.3.7 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.

2.4 Improvement programme

2.4.1 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.

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

2.5 Pre-operational conditions

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

3 Emissions and monitoring

3.1 Emissions to water, air or land

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

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

3.1.3 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR6), where a substance is specified in schedule 3 table S3.2 but no limit is set for it, the concentration of such substance in emissions to water from the relevant emission point shall be no greater than the background concentration.

3.1.4 Total annual emissions from the emission point(s) set out in schedule 3 tables S3.1 and S3.2 of a substance listed in schedule 3 table S3.4 shall not exceed the relevant limit in table S3.4.

3.1.5 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.

3.1.6 The first monitoring measurements shall be carried out:

(a) at any time for existing MCPs, but no later than the relevant compliance date.

3.2 Emissions of substances not controlled by emission limits

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

3.2.2 The operator shall:

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

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

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

3.3 Odour

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

3.3.2 The operator shall:

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

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

3.4 Noise and vibration

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

3.4.2 The operator shall:

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

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

3.5 Monitoring

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

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

(b) process monitoring specified in table S3.3;

(c) ambient air 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 and S3.2 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

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

3.6.2 The operator shall:

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

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

3.7 Fire prevention

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

3.7.2 The operator shall:

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

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

4 Information

4.1 Records

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

(a) be legible;

(b) be made as soon as reasonably practicable;

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

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

(i) off-site environmental effects; and

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

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

4.2 Reporting

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

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

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

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

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

4.2.2 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.

4.2.3 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.

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

4.3 Notifications

4.3.1 In the event:

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

(i) inform the Environment Agency,

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

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

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

(i) inform the Environment Agency, and

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

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

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

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency

when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

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

Where the operator is a registered company:

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

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

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

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

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

In any other case:

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

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

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

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

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

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

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

4.4 Interpretation

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

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

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
AR1	Section 5.3 Part A (1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.	R2 - Solvent reclamation/regeneration Operation of distillation units, reboiler, heat exchangers, distillation columns, decanters and condensers, feed and product tanks.	From treatment of solvents by distillation in five distillation units, distillation columns, decanters and condensers to storage of crude products, refined products and residues. No more than 306 tonnes per day of hazardous waste shall be treated. 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. Residue waste shall be stored in the designated residue tanks prior to transfer off-site on an impermeable surface with sealed drainage for no longer than 6 months. No waste types shall be submitted to this activity other than those wastes specified in Schedule 2, Table S2.2.
AR2	Section 5.6 Part A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.	Temporary storage of hazardous waste. R13: Storage of waste pending operation numbered R2.	From receipt and storage of hazardous waste on site to its treatment. The amount of hazardous waste stored on site at any one time shall not exceed 3500 tonnes. No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Table S2.2.
AR3	Section 4.1A(1)(a)(ii): Producing Organic Chemicals such as – Esters	Production of esters.	From the receipt of raw materials through the manufacturing process to the transfer of produced ester and waste to storage or disposal.

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**
Directly Associated Activity			
AR4	Air Emissions Abatement	Emissions abatement by wet scrubbers.	Abatement of all major process vessels and bulk solvent storage tanks.
AR5	2 x MCP boilers	One 6.2 MWth and one 3.4 MWth boiler.	From receipt of fuel and its storage to the production of steam and running of associated processes (air supply systems and systems for controlling boiler operations). Operation of each boiler limited to a single fuel mode at any one time, that is, use of: - product grade distillate (PGD) - gas oil
AR6	Burning of waste as a fuel	Combustion unit comprising of the thermal oxidiser (3.1 MW thermal input) for the supply of process steam	This activity shall not commence until pre-operational condition PO1 has been completed. Co-incineration of waste, from the evaluation and receipt of waste, through to storage, on-site pre-treatment facilities, waste systems, fuel systems, air supply systems, stack devices and systems for controlling incineration operations, recording and monitoring incineration conditions.
AR7	Raw material handling and storage.	Raw material handling and storage.	From receipt and storage to point of use.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	The response to questions B2.1 and B2.2 of the Application Template, as given in pages 26 to 42, and 50 to 54 of the Report.	30th March 2005
Additional Information (Schedule 4 Notice(dated 1/7/05) response)	Responses to questions 1- 15 and 20 of the Application submitted as part of the Schedule 4 Notice response.	3rd August 2005 8th October 2005 14th October 2005 - (response dated)
Additional Information (Schedule 4 Notice(dated 3/11/05) response)	Response to questions 7-15, 17-23, 25, 27, 30-31, 34,36, 39,41 and 44 of the Application submitted as part of the Schedule 4 Notice response.	14th November 2005
Additional Information	Specification of all fuels and waste	14th December 2005
Application for Variation KP3636UN	"The proposed esterification process at SRM" and Sections C2.1,2.2.3, 2.4, 2.8 and 2.10 of Document Reference No. 2	9 July 2007
Application for Variation ZP3330XN	Sections C2.1,C2.2, C2.3,C2.5, C2.6, C2.7.1, C2.8, C2.9, C2.10, and C3.1 of Document Reference No. 2	12 November 2007
Variation application	The response to parts C2 and C3 of the application form	15/02/2012

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Chemical waste: appropriate measures for permitted facilities Version published 18 November 2020	All parts of the appropriate measures guidance shall apply.	N/A

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC16	The results of the assessment in IC15 above shall be used to assess the impacts, if any, of the installation on the agreed habitat sites and a report on the assessment submitted to the Agency.	31/3/08
IC17	If the report in IC16 above demonstrates that the Oxides of Nitrogen from the site are impacting on a habitat site or sites the operator shall provide a report with firm timescales for reducing these emissions to a level where it will not have a significant impact on the habitat site. The changes in the report shall be implemented within the timescales specified.	30/9/08
IC18	The operator shall review the potential use of uncontaminated water for use in ancillary processes on site. This report shall make recommendations for improvements to the site infrastructure, if required, and a timetable for implementation. A full justification shall be made justifying why it is not feasible to reuse water on site if this is the conclusion of the report. All recommendations of the report shall be implemented within the timescale specified.	31/03/10
IC19	The operator shall undertake a review of the Site Condition Report to ensure Article 22 of the Industrial Emissions Directive is complied with. The review shall include at least the following: - consideration of waste storage and treatment areas including storage vessels, bunds, loading and unloading areas and other potential sources of contamination as shown in the site location plan - reference to any historical spillages, the chemicals involved and locations, baseline soil sample results and groundwater data.	06/06/25
IC20	The operator shall submit a written report to the Environment Agency for approval that proposes a monitoring programme to characterise and assess the facility's point source emissions to water in accordance with the emissions monitoring and limits specified in the Environment Agency's guidance Chemical waste: appropriate measures for permitted facilities using the Environment Agency's 'H1 Environmental Risk Assessment' tool (or equivalent as agreed with the Environment Agency). The report shall demonstrate, based on testing, which substances of those listed in table S3.2 are not present in the cooling water blow down, boiler water blow down and bund water emissions. The report shall detail the parameters and substances that will be tested for, the monitoring methods and equipment that will be used, and a timetable for undertaking the monitoring. The monitoring programme shall be carried out as approved by the Environment Agency. A written report shall be submitted to the Environment Agency for approval detailing the results and conclusions of the emissions monitoring and assessment undertaken, including a completed H1 Environmental Risk Assessment and proposals for any ongoing monitoring or further assessment.	06/06/25 Submission of subsequent written report detailing monitoring and assessment results 06/09/25

Table S1.4 Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational measures**
PO1	Recommencement of activity (AR6) in table S1.1	Prior to the recommencement of activity AR6 authorised by table S1.1, the operator shall apply to the Environment Agency to vary the permit and provide supporting documents in accordance with the requirements of the Waste Treatment BAT conclusions and Chemical Wastes: appropriate measures for permitted facilities and other appropriate measures guidance as applicable. This activity shall only recommence once the permit variation has been issued by the Environment Agency.

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
Gas oil	Less than 0.1% sulphur content.
Product Grade Distillate (PGD) fuel specification	When burning PGD the feed specification shall be limited to the specification detailed in letter dated 21/12/2006 unless otherwise agreed in writing by the Agency.

Table S2.2 Permitted waste types and quantities for physico-chemical treatment of hazardous waste by activity AR1	
Maximum quantity	**The total quantity of wastes accepted at the site shall not exceed 35,000 tonnes per year.**
Exclusions	**None**
Waste Code	**Description**
03	**Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard**
03 02	**wastes from wood preservation**
03 02 01*	non-halogenated organic wood preservatives
03 02 02*	organochlorinated wood preservatives
03 02 05*	other wood preservatives containing hazardous substances
04	**Wastes from the leather, fur and textile industries**
04 02	**wastes from the textile industry**
04 02 14*	wastes from finishing containing organic solvents
04 02 16*	dyestuffs and pigments containing hazardous substances
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**
05 01	**wastes from petroleum refining**
05 01 05*	oil spills
06	**Wastes from inorganic chemical processes**
06 02	**wastes from the MFSU of bases**
06 02 04*	sodium and potassium hydroxide
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 03*	organic halogenated solvents, washing liquids and mother liquors
07 01 04*	other organic solvents, washing liquids and mother liquors
07 01 07*	halogenated still bottoms and reaction residues
07 01 08*	other still bottoms and reaction residues
07 02	**wastes from the MFSU of plastics, synthetic rubber and human-made fibres**

Table S2.2 Permitted waste types and quantities for physico-chemical treatment of hazardous waste by activity AR1	
Maximum quantity	**The total quantity of wastes accepted at the site shall not exceed 35,000 tonnes per year.**
Exclusions	**None**
07 02 01*	aqueous washing liquids and mother liquors
07 02 03*	organic halogenated solvents, washing liquids and mother liquors
07 02 04*	other organic solvents, washing liquids and mother liquors
07 02 07*	halogenated still bottoms and reaction residues
07 02 08*	other still bottoms and reaction residues
07 03	**wastes from the MFSU of organic dyes and pigments (except 06 11)**
07 03 03*	organic halogenated solvents, washing liquids and mother liquors
07 03 04*	other organic solvents, washing liquids and mother liquors
07 03 07*	halogenated still bottoms and reaction residues
07 03 08*	other still bottoms and reaction residues
07 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 03*	organic halogenated solvents, washing liquids and mother liquors
07 04 04*	other organic solvents, washing liquids and mother liquors
07 04 07*	halogenated still bottoms and reaction residues
07 04 08*	other still bottoms and reaction residues
07 05	**wastes from the MFSU of pharmaceuticals**
07 05 01*	aqueous washing liquids and mother liquors
07 05 03*	organic halogenated solvents, washing liquids and mother liquors
07 05 04*	other organic solvents, washing liquids and mother liquors
07 05 07*	halogenated still bottoms and reaction residues
07 05 08*	other still bottoms and reaction residues
07 06	**wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics**
07 06 01*	aqueous washing liquids and mother liquors
07 06 03*	organic halogenated solvents, washing liquids and mother liquors
07 06 04*	other organic solvents, washing liquids and mother liquors
07 06 07*	halogenated still bottoms and reaction residues
07 06 08*	other still bottoms and reaction residues
07 07	**wastes from the MFSU of fine chemicals and chemical products not otherwise specified**
07 07 01*	aqueous washing liquids and mother liquors
07 07 03*	organic halogenated solvents, washing liquids and mother liquors
07 07 04*	other organic solvents, washing liquids and mother liquors
07 07 07*	halogenated still bottoms and reaction residue
07 07 08*	other still bottoms and reaction residues

Table S2.2 Permitted waste types and quantities for physico-chemical treatment of hazardous waste by activity AR1	
Maximum quantity	**The total quantity of wastes accepted at the site shall not exceed 35,000 tonnes per year.**
Exclusions	**None**
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 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 04	**wastes from MFSU of adhesives and sealants (including water proofing products)**
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**
09 01 03*	solvent-based developer solutions
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 11*	aqueous rinsing liquids containing hazardous substances
11 01 13*	degreasing wastes containing hazardous substances
13	**Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)**
13 03	**waste insulating and heat transmission oils**
13 03 09*	readily biodegradable insulating and heat transmission oils
13 07	**wastes of liquid fuels**
13 07 01*	fuel oil and diesel
13 07 02*	petrol
13 07 03*	other fuels (including mixtures)
14	**Waste organic solvents, refrigerants and propellants (except 07 and 08)**
14 06	**waste organic solvents, refrigerants and foam/aerosol propellants**

Table S2.2 Permitted waste types and quantities for physico-chemical treatment of hazardous waste by activity AR1	
Maximum quantity	**The total quantity of wastes accepted at the site shall not exceed 35,000 tonnes per year.**
Exclusions	**None**
14 06 02*	other halogenated solvents and solvent mixtures
14 06 03*	other solvents and solvent mixtures
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 13*	brake fluids
16 01 14*	antifreeze fluids containing hazardous substances
16 03	**off-specification batches and unused products**
16 03 05*	organic wastes containing hazardous substances
16 05	**gases in pressure containers and discarded chemicals**
16 05 08*	discarded organic chemicals consisting of or containing hazardous substances
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
18	**Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)**
18 01	**wastes from natal care, diagnosis, treatment or prevention of disease in humans**
18 01 06*	chemicals consisting of or containing hazardous substances

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location As shown on site plan in Schedule 7	**Source**	**Parameter** **(Note 1)**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency** **(Note 2)**	**Monitoring standard or method**
A1 TQ9310519567	Extraction from process vessels and storage tanks via wet scrubber	Total Volatile Organic Compounds (TVOCs)	30 mg/m^3 (Note 3)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	EN 12619 (Note 5)
		Speciated Volatile Organic Compounds (Note 4)	No limit set	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	PD CEN/TS 13649 (Note 5)
A2 TQ9309419607 (Note 6)	Existing medium combustion plant other than engines and gas turbines fuelled on liquid fuel other than gas oil (product grade distillate (PGD)). Boiler, 6.2 MWth.	Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	650 mg/m^3 Limit applies from 01/01/2025	Periodic	Every 3 years from date of acceptance of first monitoring measurements under condition 3.1.6	MCERTS BS EN 14792
		Sulphur dioxide	350 mg/m^3 Limit applies from 01/01/2025	Periodic		MCERTS BS EN 14791
		Dust	30 mg/m^3 Limit applies from 01/01/2025	Periodic		MCERTS BS EN 13284-1
		Carbon monoxide	No limit set	Periodic		MCERTS BS EN 15058
A2 TQ9309419607 (Note 6)	Existing medium combustion plant other than engines	Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	200 mg/m^3 Limit applies from 01/01/2025	Periodic	Every 3 years from date of acceptance of first monitoring measurements under condition 3.1.6	MCERTS BS EN 14792
		Carbon monoxide	No limit set	Periodic		MCERTS

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location As shown on site plan in Schedule 7	**Source**	**Parameter** **(Note 1)**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency** **(Note 2)**	**Monitoring standard or method**
	and gas turbines fuelled on gas oil Boiler, 6.2 MWth.					BS EN 15058
A3 TQ9308419588 (Note 6)	Existing medium combustion plant other than engines and gas turbines fuelled on liquid fuel other than gas oil (product grade distillate (PGD)). Boiler, 3.4 MWth.	Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	650 mg/m^3 Limit applies from 01/01/2030	Periodic	Every 3 years from date of acceptance of first monitoring measurements under condition 3.1.6	MCERTS BS EN 14792
		Sulphur dioxide	350 mg/m^3 Limit applies from 01/01/2030	Periodic		MCERTS BS EN 14791
		Dust	50 mg/m^3 Limit applies from 01/01/2030	Periodic		MCERTS BS EN 13284-1
		Carbon monoxide	No limit set	Periodic		MCERTS BS EN 15058
A3 TQ9308419588 (Note 6)	Existing medium combustion plant other than engines and gas turbines fuelled on gas oil. Boiler, 3.4 MWth.	Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	200 mg/m^3 Limit applies from 01/01/2030	Periodic	Every 3 years from date of acceptance of first monitoring measurements under condition 3.1.6	MCERTS BS EN 14792
		Carbon monoxide	No limit set	Periodic		MCERTS BS EN 15058
A4 TQ9319719581	Thermal oxidiser	Parameters in accordance with outcomes of PO1				–

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.

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location As shown on site plan in Schedule 7	**Source**	**Parameter** **(Note 1)**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency** **(Note 2)**	**Monitoring standard or method**
Note 3: This limit does not apply if there are no carcinogenic, mutagenic or toxic for reproduction (CMR) substances present in the emission and the emission load is below 2 kg/h at the emission point. Note 4: All speciated VOCs and their concentrations shall be reported. Note 5: MCERTS in line with Environment Agency web guidance: Monitoring stack emissions: techniques and standards for periodic monitoring (formerly guidance note M2). Note 6: 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 O_2 content of 15% for engines and gas turbines and 3% and all other MCPs.						

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location on site plan in schedule 7 emission to River Rother	**Source**	**Parameter** **(Note 1)**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
W1 TQ9323319649	Collection tank J8, J9, J11 and J12. Cooling water blowdown, boiler blow down and collected site rainwater.	Arsenic (expressed as As)	0.05 mg/l	–	Monthly	EN ISO 11885, EN ISO 17294-2, EN ISO 15586
		Cadmium (expressed as Cd)	0.05 mg/l	–	Monthly	
		Zinc (expressed as Zn)	1 mg/l	–	Monthly	
		Lead (expressed as Pb)	0.075 mg/l	–	Monthly	
		Manganese (Mn)	No limit set	–	Each discharge	
		Chromium (expressed as Cr)	0.15 mg/l	–	Monthly	
		Copper (expressed as Cu)	0.5 mg/l	–	Monthly	

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location on site plan in schedule 7 emission to River Rother	**Source**	**Parameter (Note 1)**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
		Nickel (expressed as Ni)	0.5 mg/l	–	Monthly	
		Mercury (expressed as Hg)	5 µg/l	–	Monthly	EN ISO 17852, EN ISO 12846
		Hexavalent chromium (expressed as Cr(VI))	0.1 mg/l	–	Each discharge	EN ISO 10304-3 EN ISO 23913
		Iron	3 mg/l	–	Monthly	BS ISO 15923-1
		Adsorbable organically bound halogens (AOX)	1 mg/l	–	Each discharge	EN ISO 9562
		Ethylbenzene	No limit set	–	Each discharge	EN ISO 15680
		Benzene	0.09 mg/l	–	Quarterly	EN ISO 15680 EN ISO 10301
		Toluene	0.12 mg/l	–	Quarterly	
		Xylene	0.09 mg/l	–	Quarterly	
		Free cyanide (CN-)	0.1 mg/l	–	Each discharge	EN ISO 14403-1 and -2
		Hydrocarbon oil index (HOI)	10 mg/l	–	Monthly	EN ISO 9377-2
		PFOA	No limit set	–	Every 6 months	No EN standard
		PFOS	No limit set	–	Every 6 months	No EN standard
		Phenol index	0.3 mg/l	–	Every discharge	EN ISO 14402
		Total nitrogen (Total N)	60 mg/l	–	Every discharge	EN 12260, EN ISO 11905-1

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location on site plan in schedule 7 emission to River Rother	**Source**	**Parameter** **(Note 1)**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
		Total organic carbon (TOC) or Chemical oxygen demand (COD) (Note 2)	60 mg/l 180 ml/l	–	Monthly	EN 1484 BS 6068-2.34 (same as ISO 6060) BS ISO 15705
		Total phosphorus (Total P)	3 mg/l	–	Each discharge	EN ISO 15681-1 and -2, EN ISO 6878, EN ISO 11885
		Total suspended solids (TSS)	60 mg/l	–	Monthly	EN 872
		Dichloromethane	No limit	–		
		Chloroform	0.036 mg/l	–	Quarterly	BS EN ISO 6468
		Carbon tetrachloride	0.036 mg/l	–	Quarterly	BS EN ISO 6468
		pH	No limit set	–	Quarterly	BS ISO 10523
		Oil and grease	No visible	–	Each discharge	
		Total flow	150 m^3/day	–	Each discharge	
		Temperature	32°C May/October 25°C remainder of year	–	Quarterly	
Note 1: Monitoring requirements shall be updated in accordance with the outcome of IC20 Note 2: Either total organic carbon (TOC) or chemical oxygen demand (COD) can be monitored. TOC monitoring is preferred as does not rely on the use of very toxic compounds.						

Table S3.3 Process monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other Specifications**
Scrubber on emission points A1 from treatment plant and storage tanks.	Efficiency assessment	As specified in the agreed abatement plan	Scrubber shall be maintained, operated and replaced in accordance with the manufacturer's recommendations.	-
Fugitive emissions from all sources identified in the Leak Detection and Repair (LDAR) programme following implementation of IC21.	VOCs	Annually or otherwise agreed in accordance with the LDAR programme	Sniffing method (BS EN 15446) or optical gas imaging.	Diffuse emissions from all sources identified in the Leak Detection and Repair (LDAR) programme

Table S3.4 Ambient air monitoring requirements				
Location or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
DM1	VOCs	Annually	As other specifications BS EN15446 for sniffing method	One or a combination of: i) measurement using sniffing methods - optical gas imaging, solar occultation flux or differential absorption ii) calculation of emissions based on emission factors (validated every 2 years) by measurement iii) mass balance using solvent input, point source emissions to air and water, solvent in process output and process residues

Table S3.5 Annual limits		
Substance	**Medium**	**Limit (including unit)**
Total volume	W1	18,250 m^3

Schedule 4 – Reporting

See Reporting in V003 if needed

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

Table S4.1 Reporting of monitoring data			
Parameter	**Emission or monitoring point/reference**	**Reporting period**	**First period begins**
Emissions to air Parameters as required by condition 3.5.1.	A1, A2, A3, A4	Every 6 months	A1 – 1 June A2, A3 – 1 January A4 – in accordance with PO1
Emissions to water Parameters as required by condition 3.5.1	W1	Every 6 months	1 January
Process monitoring Parameters as required by condition 3.5.1	As agreed in writing by the Environment Agency.	[Annually], or as agreed in writing by the Environment Agency.	1 January
Ambient air monitoring Parameters as required by condition 3.5.1	As agreed in writing by the Environment Agency.	[Annually], or as agreed in writing by the Environment Agency.	1 January

Table S4.2 Annual production/treatment	
Parameter	**Units**
Hazardous waste treated - Recovery	tonnes
Hazardous waste treated - Disposal	tonnes
Distillation process residues (for kiln fuel)	tonnes
Total recovered solvent fuel used in boiler 1	tonnes
Total recovered solvent fuel used in boiler 2	tonnes
Total esters produced	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	18/06/2024

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Emissions to water and land	Emissions to Water Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	18/06/2024
Ambient air	Ambient Air Monitoring Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	18/06/2024
Process monitoring	Process Monitoring Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	18/06/2024
Water usage	Water Usage Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	18/06/2024
Energy usage	Energy Usage Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	18/06/2024
Other performance indicators	Other Performance Parameters Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	18/06/2024

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

Use the following as needed – black is general use, red is potential use (if the site does not do activity then delete)

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

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

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

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

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

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

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

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

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

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in 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.

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

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

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

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

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

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“List of Wastes” means the list of wastes established by Commission Decision 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 on hazardous waste, as amended from time to time.

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

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

“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.

“pests” means birds, vermin and insects.

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

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

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

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

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

“sealed 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, for that table, they have the meaning given below:

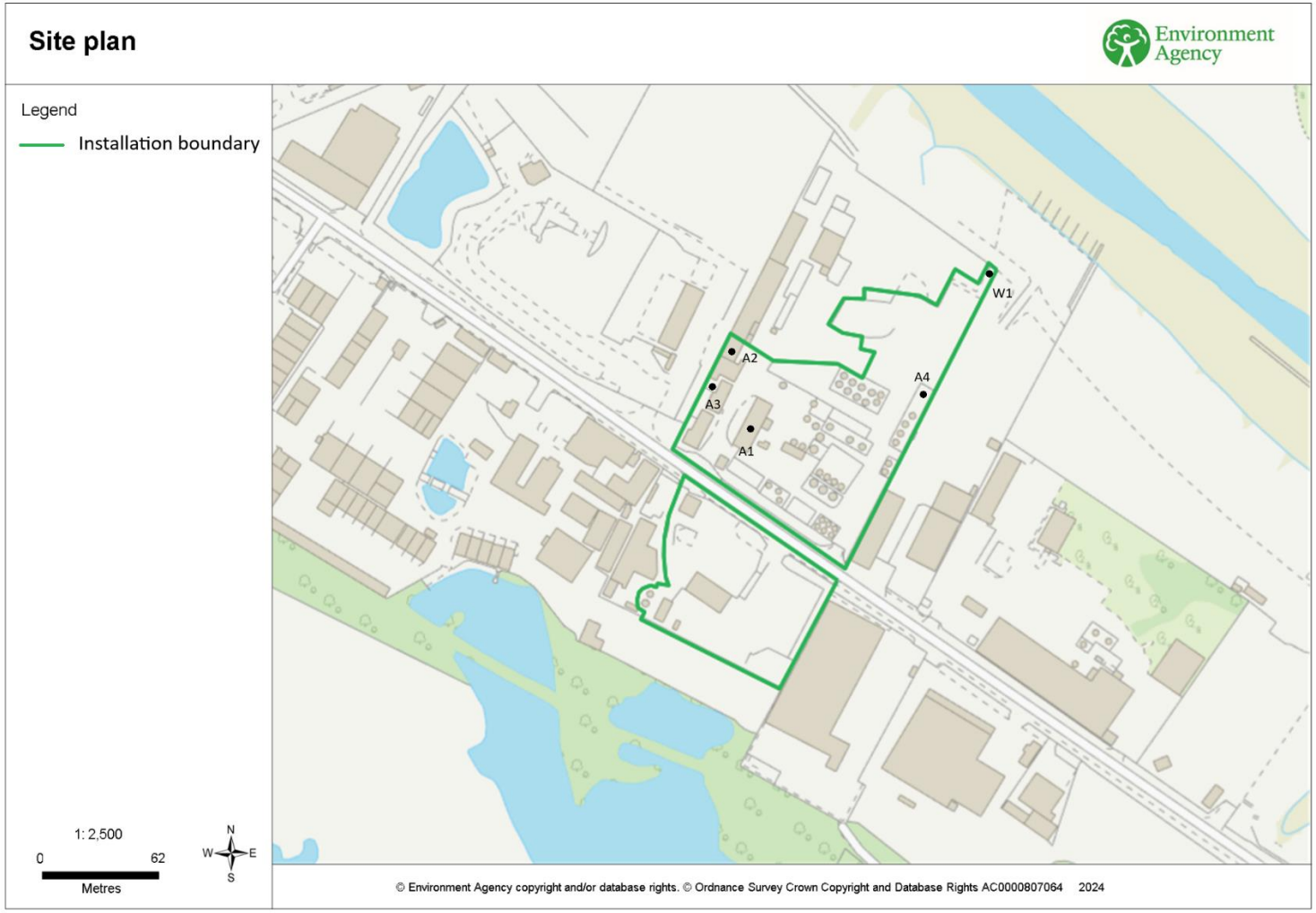
“hazardous substance” means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

“PCBs” means.

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

Schedule 7 – Site plan

Figure 1: Site Layout Plan including emission points



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