

# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

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Olleco

Olleco Liverpool  
Foster Street  
Bootle  
Liverpool  
Merseyside  
L20 8EX

## Variation application number

EPR/LP3032NC/V013

## Permit number

EPR/LP3032NC

# Olleco Liverpool

## Permit number EPR/LP3032NC

### Introductory note

#### **This introductory note does not form a part of the notice**

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. Only the variations specified in schedule 1 are subject to a right of appeal.

This variation is for the combustion of Olleco used cooking oil (UCO) grade R (UGR) in the 1.2 MWth thermal oil boiler. This boiler discharges via emission point A6 and has been previously permitted for the combustion of natural gas only. UGR is produced as a result of the conversion of UCO into biodiesel at the facility.

We have also carried out an Environment Agency initiated variation. 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.

The schedules specify the changes made to the permit.

The rest of the installation will operate as before, with the main features being as follows:

Olleco operates a recycling facility for used cooking oils (UCOs) on Foster Street, Liverpool at National Grid Reference SJ 34270 93290. The facility receives UCOs from its customers (industrial food factories and retail outlets) and treats the oils by physical means to remove impurities and packaging.

The facility also operates a biodiesel production process at the Birchall Street part of the installation. The biodiesel process converts treated UCO into biodiesel via a chemical process called trans-esterification.

This is a Schedule 1 listed activity under the Environmental Permitting Regulations (EPR):

**Section 4.1 Part A(1)(a)(ii):** *Producing organic chemicals such as organic compounds containing oxygen*

The tonnage of UCOs that can be accepted for treatment at the site is 125,000 tonnes per year, with a biodiesel production capacity of 60,000 tonnes per year, and permitted storage of UCO of 7,500 tonnes at any time.

The main emissions to air arise from methanol recovery (emission point A1), operation of combustion plant (emission points A3, A4 and A6 to A8), and operation of the auxiliary flare (emission point A5). Emission point A2 is from a 0.4 MWth thermal hot oil boiler which is no longer in use, however it remains permitted for operation.

The combustion plant operated at the facility are medium combustion plant (MCP) (with the exception of the exception of the 0.4 MWth thermal hot oil boiler, see above) and comprise the following:

- 1 MWth hot water boiler fired on natural gas (emission point A3), which is an existing MCP.
- 1.22 MWth combined heat and power (CHP) plant fired on biogas (emission point A4), which is an existing MCP.
- 1.2 MWth thermal oil boiler fired on natural gas or UGR (emission point A6), which is an existing MCP.

- 7 MWth steam boiler 1 fired on natural gas or UGR (emission point A7), which is a new MCP.
- 7 MWth steam boiler 2 fired on natural gas (emission point A8), which is a new MCP.

Organic wastewater streams generated from the treatment and conversion of UCOs into biodiesel are treated in an anaerobic digestion (AD) plant at the Birchall Street site. The organic loading into the AD plant is supplemented by a food waste 'soup'. Food waste is received at the Foster Street site, de-packaged, macerated and mixed with wastewater to form a 'soup'. The soup feedstock is pumped across a pipe-bridge to the AD plant. Treated wastewater from the AD plant is discharged to sewer.

This is a Schedule 1 listed activity under the EPR:

**Section 5.4 Part A(1)(b)(i):** *Recovery or a mix or recovery and disposal of non- hazardous waste with a capacity exceeding 100 tonnes per day involving biological treatment*

Olleco operates the installation according to an environmental management system certified to ISO Standard 14001:2015.

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
Waste Management Licence EAWML 50352 issued	29/06/2005	Waste vegetable oil storage and treatment facility.
Variation application EPR/FP3294CT/V002 (formerly EAWML 50352)	Duly made 24/02/2010	Application to increase the storage capacity and to increase the annual throughput.
Additional information received	18/06/2010	Description of the state of the concreted area.
Additional information received	29/06/2010	Clarification on the storage capacity.
Variation determined EPR/FP3294CT/V002	05/07/2010	Varied permit issued
Variation application EPR/FP3294CT/V003	Duly made 22/11/2010	Application to add the biodiesel facility.
Variation determined EPR/FP3294CT/V003	10/03/2011	Varied permit issued.
Variation application EPR/FP3294CT/V004	Duly made 11/03/2011	Application to increase the permitted area and to add a distillation plant and two boilers.
Variation determined EPR/FP3294CT/V004	18/04/2011	Varied permit issued.
Variation application EPR/FP3294CT/V005 (variation and consolidation)	Duly made 27/07/2012	Application to add tallow to the list of permitted wastes. Environment Agency initiated change to update the permit to modern conditions.
Variation determined EPR/FP3294CT/V005	05/09/2012	Varied and consolidated permit issued in modern condition format.
Transfer application EPR/LP3032NC/T001	26/06/2013	Application for transfer from Sanders Products (Liverpool) to Olleco.
Transfer determined EPR/LP3032NC/T001	09/07/2013	Transfer notice issued.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Variation application EPR/LP3032NC/V002	Duly made 22/11/2013	Application to vary the permit to include an aerobic digestion process and update the permit to modern conditions to include the requirements of Industrial Emissions Directive (IED).
Variation determined EPR/LP3032NC/V002	19/02/2014	Varied and consolidated permit issued.
Environment Agency led variation determined EPR/LP3032NC/V003	14/03/2014	Variation issued.
Variation application EPR/LP3032NC/V004	Duly Made 29/09/2015	
Response to schedule 5 Issued 01/10/2015	16/10/2015	Additional information on emissions from MONG recovery unit.
Variation determined EPR/LP3032NC/V004	15/12/2015	Varied and consolidated permit issued.
Variation application EPR/LP3032NC/V005	Duly Made 08/09/2016	
Schedule 5 issued 21/09/2016	29/09/2016	Additional information received.
Variation determined EPR/LP3032NC/V005	30/11/2016	Varied and consolidated permit issued.
Variation application EPR/LP3032NC/V006	Received 21/12/2016	Application to add a waste code to the anaerobic digestion plant.
Application returned EPR/LP3032NC/V006	21/02/2017	Not duly made.
Variation application EPR/LP3032NC/V007	Duly made 02/03/2017	Administrative variation to add nine waste codes for the anaerobic digestion plant.
Variation determined EPR/LP3032NC/V007	17/03/2017	Varied and consolidated permit issued.
Variation application EPR/LP3032NC/V008	Duly made 17/04/2018	Application to vary the permit to extend the permitted boundary of the installation, increase the permitted storage of used cooking oils, increase the biodiesel production capacity and annual tonnage of used cooking oils, install a new hot oil heater.
Response to Schedule 5 issued 31/05/2018	03/07/2018	Additional information received.
Response to Schedule 5 issued 13/07/2018	20/08/2018	Additional information received.
Variation determined EPR/LP3032NC/V008	14/09/2018	Varied and consolidated permit issued.
Variation application EPR/LP3032NC/V009	Duly made 30/04/2020	Application to vary the permit to add two new boilers.
Variation determined EPR/LP3032NC/V009	19/10/2020	Varied and consolidated permit issued.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Variation application EPR/LP3032NC/V010	Duly made 09/12/2022	Application to vary the permit to add new waste codes for the Anaerobic Digestion activity.
Variation determined EPR/LP3032NC/V010	14/03/2023	Varied and consolidated permit issued.
Variation application EPR/LP3032NC/V011	Duly made 20/11/2023	Application to allow combustion of 'Olleco Grade R' (UGR) in boiler No. 1.
Additional information received	21/11/2023	Notification of change of site name from 'Foster Street UCO Processing' to 'Olleco Liverpool'.
Additional information received	25/01/2024	Response to Schedule 5 Notice dated 03/01/2024
Additional information received	29/01/2024	Further response to Schedule 5 Notice dated 03/01/2024
Variation determined and consolidation issued EPR/LP3032NC/V011	07/03/2024	Varied and consolidated permit issued in modern format.
EPR/LP3032NC/V012	Regulation 61 Notice response received 30/07/2024	Environment Agency initiated variation following Medium Combustion Plant (MCP) permit review, determined and incorporated into EPR/LP3032NC/V013.
Application EPR/LP3032NC/V013	Duly made 09/07/2024	Application to allow combustion of 'Olleco Grade R' (UGR) in the 1.2 MWth thermal oil boiler.  Also includes Environment Agency initiated variation following MCP permit review submitted as EPR/LP3032NC/V012.
Response to Schedule 5 request for information issued 30/09/2024	14/10/2024	Additional information received: Emission point A2 to be retained. Emission point A6 emissions clarification. UGR storage arrangements.
Variation determined and consolidation issued EPR/LP3032NC/V013	06/11/2024	Varied and consolidated permit issued in modern format.

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

### Permit number

EPR/LP3032NC

### Issued to

**Olleco** (“the operator”)

whose registered office is

**Battlefield Road**

**Shrewsbury**

**Shropshire**

**SY1 4AH**

company registration number **05878742**

to operate a regulated facility at

**Olleco Liverpool**

**Foster Street**

**Bootle**

**Liverpool**

**Merseyside**

**L20 8EX**

to the extent set out in the schedules.

The notice shall take effect from 06/11/2024

Name	Date
<b>Eleanor Blackeby</b>	<b>06/11/2024</b>

Authorised on behalf of the Environment Agency

## Schedule 1

The following conditions were varied as a result of the application made by the operator:

- Table S1.1 Activities, as referenced by conditions 2.1.1 and 3.5.5, to amend activity reference AR3.
- Table S1.2 Operating techniques, as referenced by conditions 2.3.1 and 2.3.2, to include the necessary operating techniques.
- Table S3.1 Point source emissions to air – emission limits and monitoring requirements, as referenced by conditions 3.1.1 and 3.5.1, to include new limits for emission point A6, applicable when firing on UGR fuel.

The following conditions were varied as a result of an Environment Agency initiated variation:

- Condition 3.5.5 added to implement the MCPD requirements.
- Table S1.1 Activities, as referenced by conditions 2.1.1 and 3.5.5, to remove activity reference AR4 (biogas combustion) which is included in activity reference AR3 (Steam, hot oil generation and biogas combustion), with subsequent renumbering of the directly associated activities and where relevant, to include emission points in the limits of the specified activity.
- Table S1.2 Operating techniques, as referenced by conditions 2.3.1 and 2.3.2, to implement the MCPD requirements and to amend the following dates and application references:
  - variation application EPR/LP3032NC/V002 date changed from 27/09/2013 to 22/11/2013.
  - variation application EPR/LP3032NC/V004 date changed from 24/07/2015 to 29/09/2015.
  - variation application references amended from EPR/LP3032NC/V009/V004 to EPR/LP3032NC/V004.
  - variation application references amended from EPR/LP3032NC/V009/V005 to EPR/LP3032NC/V005.
  - variation application references amended from EPR/LP3032NC/V009/V008 to EPR/LP3032NC/V008.
- Table S1.3 Improvement programme requirements, as referenced by condition 2.4.1, to confirm completion of IC5.
- Table S3.1 Point source emissions to air – emission limits and monitoring requirements, as referenced by conditions 3.1.1 and 3.5.1, to implement the MCPD requirements.
- Table S4.1, Reporting of monitoring data, as referenced by condition 4.2.3, to implement the MCPD requirements.
- Table S4.4 Reporting forms as referenced by conditions 4.2.2 and 4.2.3, to update the air reporting form in accordance with the current permit template.
- Schedule 6, Interpretation, as referred to by condition 4.4.1, in accordance with the current permit template and to include the necessary MCPD definitions.
- Schedule 7, Site plan, as referred to by condition 2.2.1, in accordance with the current permit template.

## Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/LP3032NC**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/LP3032NC/V013 authorising,

**Olleco** (“the operator”),

whose registered office is

**Battlefield Road  
Shrewsbury  
Shropshire  
SY1 4AH**

company registration number 05878742

to operate an installation at

**Olleco Liverpool  
Foster Street  
Bootle  
Liverpool  
Merseyside  
L20 8EX**

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

Name	Date
Eleanor Blackeby	06/11/2024

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 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 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 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 tables S2.1 and S2.2; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.4 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.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

### **2.4 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.

## **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 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.
- 3.4.2 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; and
  - (b) process monitoring specified in table S3.3.
- 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 plant classed as MCP, under activity reference AR3 in table S1.1; For new MCPs the first monitoring measurements shall be carried out within 4 months of the issue date of the permit or the date when the MCP is first put into operation, whichever is later. For existing MCPs the first monitoring measurement shall be carried out at any time, but no later than the relevant compliance date.

## **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.

## 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 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production/treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

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

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

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

4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter, if during that quarter the total amount accepted exceeds 100 tonnes of non-hazardous waste or 10 tonnes of hazardous waste.

## 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 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.

4.3.4 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.

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

4.3.6 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

- (a) a decision by the Secretary of State not to re-certify the agreement;
- (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

## **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

<b>Table S1.1 Activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
AR1	Section 4.1 Part A(1)(a)(ii) <i>Producing organic chemicals such as organic compounds containing oxygen</i>	The production of biodiesel and ultra-biofuel by the trans- esterification / esterification method from waste vegetable oil and rendered animal fat.  Purification of the biodiesel by distillation.	From receipt of raw materials and waste to despatch of product and wastes from the installation.  Includes pre-treatment of waste oils through filtration and centrifugation.  Waste types as specified in table S2.1 of this permit.  Total biodiesel production capacity is limited to 60,000 tonnes of biodiesel per year.
AR2	Section 5.4 Part A(1)(b)(i) <i>Recovery or a mix or recovery and disposal of non- hazardous waste with a capacity exceeding 100 tonnes per day involving biological treatment</i>	Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 100 tonnes per day involving anaerobic digestion of permitted waste.	From the receipt of permitted waste, the anaerobic digestion of permitted waste, through to dispatch of effluent wastewater to the effluent treatment plant and export of organic waste from the installation.  Waste types as specified in table S2.2 of this permit and suitable waste produced at the installation.

<b>Table S1.1 Activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
	<b>Directly Associated Activity</b>		
AR3	Steam, hot oil generation and biogas combustion	<p><b><u>Medium combustion plant (MCP)</u></b></p> <p><u>Combustion of gas in:</u></p> <p>0.4 MWth thermal hot oil boiler fired on natural gas (emission point A2).</p> <p>1 MWth hot water boiler fired on natural gas (emission point A3), which is an existing MCP.</p> <p>1.22 MWth combined heat and power (CHP) engine fired on biogas (emission point A4), which is an existing MCP.</p> <p>7 MWth steam boiler 2 fired on natural gas (emission point A8), which is a new MCP.</p> <p><u>Combustion of natural gas or Olleco used cooking oil (UCO) grade R (UGR) (produced on-site) in:</u></p> <p>1.2 MWth thermal oil boiler fired on natural gas or UGR (emission point A6), which is an existing MCP.</p> <p>7 MWth steam boiler 1 fired on natural gas or UGR (emission point A7), which is a new MCP.</p>	<p>From receipt of natural gas to combustion of gas and emission of combustion gases at emission points A2, A3, A6 to A8.</p> <p>From the receipt of biogas produced at the on-site anaerobic digestion process (activity reference AR2) to combustion via a CHP engine with the release of combustion gases at emission point A4.</p> <p>From receipt of UGR produced on-site to combustion of UGR and emission of combustion gases at emission points A6 and A7.</p> <p>Combustion of UGR is limited to the 1.2 MWth thermal oil boiler (emission point A6) and the 7 MWth steam boiler 1 (emission point A7) in table S3.1 of this permit.</p>
AR4	Emergency flare operation	Use of an auxiliary flare required only for periods of breakdown or maintenance of the CHP engine.	From the receipt of biogas produced on-site to combustion with the release of combustion gases at emission point A5.
AR5	Biogas storage	Storage of biogas produced from anaerobic digestion of permitted waste on site, in a flexible bio-dome above the digester tank.	From the storage of biogas produced from anaerobic digestion to point of combustion.

<b>Table S1.1 Activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
AR6	Sludge dewatering	Post-treatment of sludge to remove water content.	From input of sludge to output of dewatered sludge and removed water.
AR7	Effluent treatment	Physico-chemical treatment of effluent wastewater through dissolved air flotation and cavitation air flotation.	From treatment of effluent wastewater and dispatch to sewer.
AR8	Effluent treatment	Biological treatment of effluent wastewater through suspended air flotation.	From treatment of effluent wastewater and dispatch to sewer.
AR9	Methanol distillation column	Operation of the methanol distillation column.	Recovered methanol is purified, generating a high grade methanol for re-use in the biodiesel plant.
AR10	MONG (material organic non-glycerol) recovery unit	Operation of the MONG recovery unit.	The MONG recovery process comprises two main sub-process lines; methanol recovery and acidification and MONG splitting.
AR11	Cooling system	Heat removal from the process plant through evaporative cooling system.	Evaporative cooling system provides cooling to biodiesel production activity and associated activities consisting of distillation, degassing and condensation of methanol and water.
AR12	Wiped Film Evaporator system	Degassing of biodiesel product and evaporation of methanol and water.	Biodiesel is degassed in two degassing stages under vacuum conditions, methanol and water are evaporated from the biodiesel in a wiped film evaporator heated with hot oil. Methanol and water are re-condensed as distillate by cooling and recompression of gaseous phase separated under vacuum.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	Section 2 of the supporting documentation submitted with the permit variation application.	20/10/2010
Application EPR/FP3294CT/V004	Section 3 of the supporting documentation submitted with the permit variation application.	11/03/2011
Variation application EPR/FP3294CT/V005	Section 2 of the supporting documentation submitted with the permit variation application.	29/06/2012
Variation application EPR/LP3032NC/V002	Responses to Part C3 section 3 of the application form and referenced supporting documentation. Air Quality Modelling Assessment received 22/11/2013.	22/11/2013
Environment Agency led variation EPR/LP3032NC/V003	Updated AD site layout plan and cover letter.	25/02/2014
Variation application EPR/LP3032NC/V004	Part C2 and C3 of the application form, referenced supporting documentation.	29/09/2015
Variation application EPR/LP3032NC/V004 response to additional information request	Additional information on secondary containment, fire safety and baseline data.	28/09/2015
Variation application EPR/LP3032NC/V004 response to schedule 5 issued 01/10/2015	Additional information on emissions from MONG recovery unit.	16/10/2015
Variation application EPR/LP3032NC/V005	Application Form EPC: Application for an environmental permit – Part C3 varying a bespoke installation permit, Section 3.	08/09/2016
Variation application EPR/LP3032NC/V005	Supporting Information – Application for a Permit Variation Report, May 2016.	08/09/2016
Variation application EPR/LP3032NC/V005	Schedule 5 response, Point 2; report dated September 2016.	29/09/2016
Variation application EPR/LP3032NC/V005	Schedule 5 response, Appendix 1, 2, 3, 4 and 5; report dated September 2016.	29/09/2016
Variation application EPR/LP3032NC/V005	Schedule 5 response, Point 4 and Appendix 6; report dated September 2016.	29/09/2016
Variation application EPR/LP3032NC/V005	Schedule 5 response, Point 7; report dated September 2016.	29/09/2016
Variation application EPR/LP3032NC/V008	Application Form: Part C3 – Variation to a bespoke installation permit, Section 3 (version dated 13/04/18) and application support documents: <ul style="list-style-type: none"> <li>- Permit Variation Application - Biodiesel Expansion, dated 27/02/2018</li> <li>- Letter dated 16/04/18, subject: 'Application reference: EPR/LP3032NC/V008, Olleco Foster Street',</li> </ul> as supplemented and amended by subsequent documents provided in response to Schedule 5 Notices issued 31/05/2018 and 13/07/2018.	17/04/2018

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Variation application EPR/LP3032NC/V008 response to Schedule 5 Notice issued 31/05/2018	Document titled 'Response to Schedule 5 Notice', dated July 2018, providing additional information, amending the site arrangement layout included in the V008 application documents and including in Appendixes 3 and 4 demonstration of the use of applicable best available techniques and appropriate measures for handling of wastes; Odour Management Plan, dated July 2018.	03/07/2018
Variation application EPR/LP3032NC/V008 response to Schedule 5 Notice issued 13/07/2018	Document titled 'Response to Schedule 5 Notice', dated 20/08/18, including additional information on operating techniques and demonstration of compliance with the applicable BAT conclusions of the 'Commission Implementing Decision (EU) 2017/2117 of 21 November 2017 establishing best available techniques (BAT) conclusions, under Directive 2010/75/EU of the European Parliament and of the Council, for the production of large volume organic chemicals'.	20/08/2018
Variation application EPR/LP3032NC/V009	Application submission supporting information titled: 'Permit Variation Application – UCO Boilers' dated April 2020 'Demonstration of Best Available Techniques' dated April 2020.	30/04/2020
Variation application EPR/LP3032NC/V010	Revised Part C2 and C3 of the application forms, referenced supporting documentation.	09/12/2022
Variation application EPR/LP3032NC/V010 Determination Request for Information.	Revised application EWC waste list, and confirmation that AD operational measures do not change through variation.	31/01/2023
Variation application EPR/LP3032NC/V011 response to Schedule 5 Notice dated 03/01/2024	Responses to all questions apart from question 1, providing: <ul style="list-style-type: none"> <li>• justification of the change in fuel as representing best available techniques,</li> <li>• the specification for 'Olleco Grade R' to be used on the site as a fuel,</li> <li>• a risk assessment of leakage from the pipework connecting the bunded storage tank to boiler No. 1.</li> </ul>	25/01/2024
Variation application EPR/LP3032NC/V011 response to Schedule 5 Notice dated 03/01/2024	Response to question 1, providing further information on expected air emissions from boiler No. 1.	29/01/2024
EPR/LP3032NC/V012	Response to Environment Agency initiated variation for MCP permit review.	30/07/2024
Variation application EPR/LP3032NC/V013	Non-technical summary and BAT review document. End of waste status for UGR conforms to the constraints set out in Environment Agency letter (ref: DOW230301/01A, dated 14 June 2024).	09/07/2024
Response to Schedule 5 request for information issued 30/09/2024	UGR storage arrangements.	14/10/2024

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC1 & 2	Marked as complete in previous permit (V008)	N/A
IC3	The operator shall monitor for methanol from emission point V1 and carry out a risk assessment using Environment Agency guidance H1. Monitoring should be in accordance with Environment Agency guidance note M2. The operator shall submit a report to the Environment Agency summarising the monitoring results and the impact assessment.	Complete
IC4	In order to establish a baseline emissions profile for the site as permitted, the operator shall undertake an aerial emissions modelling assessment. The modelling assessment report shall be submitted to the Environment Agency for review. The report shall draw conclusions regarding the impact of the overall emissions from the site, to establish a baseline, and to have regard for the impact on nearby human receptors, ecological receptors and the objectives of the Liverpool City Air Quality Management Area (AQMA) Action Plan.	Complete
IC5	The operator shall submit a written report to the Environment Agency for confirmation. The report must contain confirmation of the end of waste classification of the 'Olleco Grade R' that is being used as a fuel in boiler No. 1.	Complete
IC6	The operator shall submit a written report to the Environment Agency for assessment and written approval.  The report must contain, in relation to emission point A7: <ul style="list-style-type: none"> <li>• Emissions monitoring data during the first year of commencing use of 'Olleco Grade R' as a fuel.</li> <li>• A comparison of actual emissions of SO<sub>2</sub> and dust with those identified in the Schedule 5 Notice response provided on 29/01/2024.</li> <li>• An assessment of actual emissions against the emission limit values set in the permit.</li> <li>• Where emissions are higher than the emission limit values set in the permit, proposals for measures to be taken to reduce or abate emissions.</li> </ul> The operator must implement any proposals in the report in line with the timescales agreed with the Environment Agency's written approval.	Within 15 months of commencing use of 'Olleco Grade R' in boiler No. 1

## Schedule 2 – Waste types, raw materials and fuels

<b>Table S2.1 Permitted waste types and quantities for the waste fat storage and treatment and for the production of biodiesel</b>	
The total quantity of used cooking oils and waste fat accepted for the production of biodiesel shall be less than 125,000 tonnes per year.	
The maximum amount of used cooking oils and waste fat stored within the facility at any time shall be less than 7,500 tonnes, including 5,000 tonnes of used cooking oils in drums and tubs of butter on pallets within the warehouses B1, B2 and B3 (as shown in the site plan layout of Schedule 7) and 1,500 of used cooking oils within processing equipment.	
Hazardous wastes are not permitted.	
<b>Waste code</b>	<b>Description</b>
<b>02</b>	<b>Wastes from Agriculture, Horticulture, Aquaculture, Forestry, Hunting and Fishing, Food Preparation and Processing</b>
<b>02 02</b>	<b>wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 99	wastes not otherwise specified (rendered animal fat - tallow)
02 02 03	materials unsuitable for consumption or processing
<b>02 03</b>	<b>wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation</b>
02 03 04	materials unsuitable for consumption or processing
<b>02 05</b>	<b>wastes from the dairy products industry</b>
02 05 01	materials unsuitable for consumption or processing
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
02 06 01	materials unsuitable for consumption or processing
<b>08</b>	<b>Wastes From The Manufacture, Formulation, Supply And Use (Mfsu) Of Coatings (Paints, Varnishes And Vitreous Enamels), Adhesives, Sealants And Printing Inks</b>
<b>08 03</b>	<b>wastes from MFSU of printing inks</b>
08 03 99	wastes not otherwise specified
<b>10</b>	<b>Wastes From Thermal Processes</b>
<b>10 01</b>	<b>wastes from power stations and other combustion plants (except 19)</b>
10 01 99	wastes not otherwise specified
<b>20</b>	<b>Municipal Wastes (Household Waste and similar Commercial Industrial and Institutional Wastes) including separately collected fractions</b>
<b>20 01</b>	<b>separately collected fractions (except 15 01)</b>
20 01 25	edible oil and fat

**Table S2.2 Permitted waste types and quantities for the waste storage and treatment by Anaerobic Digestion**

The total quantity of waste accepted shall not exceed 10,000 tonnes per year.

The total quantity of food waste accepted for the purpose of the anaerobic digestion process shall not exceed 3,120 tonnes a year.

Maximum amount of food waste stored at any one time shall be 50 tonnes.

Hazardous wastes are not permitted.

**Wastes having any of the following characteristics shall not be accepted:**

- biodegradable wastes that is significantly contaminated with non-compostable or digestible contaminants, in particular plastic and litter shall be no more than 5% w/w and shall be as low as reasonably practicable by 31 December 2025.
- wastes containing wood-preserving agents or other biocides and post-consumer wood
- wastes containing persistent organic pollutants
- wastes containing Japanese Knotweed or other invasive plant species listed in the Invasive Species (Amendment etc.) (EU Exit) Regulations 2019
- manures, slurries and spoiled bedding and straw from farms where animals have notifiable diseases as stipulated in the Animal By-Products (Enforcement) (England) Regulations 2013.
- pest infested waste

<b>Waste code</b>	<b>Description</b>
<b>02</b>	<b>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing</b>
<b>02 01</b>	<b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 03	plant tissue waste
02 01 06	animal faeces, urine and manure (including spoiled fully biodegradable animal bedding)
<b>02 02</b>	<b>wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 01	sludges from washing and cleaning, peeling, centrifuging and separation including wash waters and sludges from secondary food processing or the cook chill sector
02 02 02	animal tissue waste
02 02 03	materials unsuitable for consumption or processing
<b>02 03</b>	<b>wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation</b>
02 03 01	sludges from washing, cleaning peeling, centrifuging and separation (including sludge from production of edible fats and oils, seasoning residues, molasses residues, residues from production of potato, corn or rice starch only)
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment (including sludge from production of edible fats and oils, seasoning residues, molasses residues, residues from production of potato, corn or rice starch only)
<b>02 04</b>	<b>wastes from sugar processing</b>
02 04 03	sludges from on-site effluent treatment – sludges from the processing of sugar
<b>02 05</b>	<b>wastes from the dairy products industry</b>
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
02 06 01	materials unsuitable for consumption or processing
02 06 03	sludges from on-site effluent treatment – sludges from the processing of materials used in

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Maximum amount of food waste stored at any one time shall be 50 tonnes.

Hazardous wastes are not permitted.

**Wastes having any of the following characteristics shall not be accepted:**

- biodegradable wastes that is significantly contaminated with non-compostable or digestible contaminants, in particular plastic and litter shall be no more than 5% w/w and shall be as low as reasonably practicable by 31 December 2025.
- wastes containing wood-preserving agents or other biocides and post-consumer wood
- wastes containing persistent organic pollutants
- wastes containing Japanese Knotweed or other invasive plant species listed in the Invasive Species (Amendment etc.) (EU Exit) Regulations 2019
- manures, slurries and spoiled bedding and straw from farms where animals have notifiable diseases as stipulated in the Animal By-Products (Enforcement) (England) Regulations 2013.
- pest infested waste

<b>Waste code</b>	<b>Description</b>
	baking and confectionery
<b>02 07</b>	<b>wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b>
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials – biodegradable wastes from the processing of the raw materials used in the production of such beverages only (wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa))
02 07 02	wastes from spirits distillation
02 07 04	materials unsuitable for consumption or processing – biodegradable wastes from the processing of the raw materials used in the production of such beverages only (wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa))
<b>04</b>	<b>Wastes from the leather, fur and textile industries</b>
<b>04 02</b>	<b>wastes from the textile industry</b>
04 02 10	organic matter from natural products, e.g. grease, wax
<b>13</b>	<b>Oil Wastes and Wastes of Liquid Fuels (except edible oils, and those chapters 05,12 and 19)</b>
<b>13 07</b>	<b>wastes of liquid fuels</b>
13 07 03	other fuels (glycerol)
<b>15</b>	<b>Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified</b>
<b>15 01</b>	<b>packaging (including separately collected municipal packaging waste)</b>
15 01 01	paper and cardboard packaging (excluding veneers, plastic coatings or laminates) certified to EN 13432 or equivalent certified compostable standard
15 01 02	plastic packaging – compostable plastics only certified to EN 13432 or equivalent certified compostable or digestible standard
15 01 05	composite packaging meeting EN 13432 or equivalent certified compostable or digestible standard
<b>16</b>	<b>Wastes not otherwise specified in the list</b>
<b>16 10</b>	<b>aqueous liquid wastes destined for off-site treatment</b>
16 10 02	untreated wash waters from cleaning fruit and vegetables on farm only

**Table S2.2 Permitted waste types and quantities for the waste storage and treatment by Anaerobic Digestion**

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The total quantity of food waste accepted for the purpose of the anaerobic digestion process shall not exceed 3,120 tonnes a year.

Maximum amount of food waste stored at any one time shall be 50 tonnes.

Hazardous wastes are not permitted.

**Wastes having any of the following characteristics shall not be accepted:**

- biodegradable wastes that is significantly contaminated with non-compostable or digestible contaminants, in particular plastic and litter shall be no more than 5% w/w and shall be as low as reasonably practicable by 31 December 2025.
- wastes containing wood-preserving agents or other biocides and post-consumer wood
- wastes containing persistent organic pollutants
- wastes containing Japanese Knotweed or other invasive plant species listed in the Invasive Species (Amendment etc.) (EU Exit) Regulations 2019
- manures, slurries and spoiled bedding and straw from farms where animals have notifiable diseases as stipulated in the Animal By-Products (Enforcement) (England) Regulations 2013.
- pest infested waste

<b>Waste code</b>	<b>Description</b>
<b>19</b>	<b>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</b>
<b>19 02</b>	<b>wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)</b>
19 02 03	premixed wastes composed only of non-hazardous food and drink wastes (food waste soup)
19 02 06	sludges from the used cooking oil treatment process, that have received physico/heat treatment only
19 02 10	glycerol not designated as hazardous i.e. excludes EWC code 19 02 08
<b>19 05</b>	<b>wastes from aerobic treatment of solid wastes</b>
19 05 02	non-composted fraction of animal and vegetable waste
<b>19 06</b>	<b>wastes from anaerobic treatment of waste</b>
19 06 03	liquor from anaerobic treatment of municipal waste (from a process that accepts wastes which are listed in this table only) and made up of previously pasteurised and stabilised batches only
19 06 04	digestate from anaerobic treatment of source segregated biodegradable waste (from a process that accepts wastes which are listed in this table only) and made up of previously pasteurised and stabilised batches only
19 06 05	liquor from anaerobic treatment of animal and vegetable waste (from a process that accepts wastes which are listed in this table only) and made up of previously pasteurised and stabilised batches only
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
<b>19 08</b>	<b>wastes from waste water treatment plants not otherwise specified</b>
19 08 05	sludges from treatment of urban waste water for seeding of digester
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 12	sludges from biological treatment of industrial waste water other than those containing dangerous substances
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 12	waste types listed in this table, Table S2.2, that have been subjected to mechanical treatment only (from a process that treats wastes which are listed in this table only).
<b>20</b>	<b>Municipal Wastes (Household Waste and similar Commercial Industrial and Institutional Wastes) including separately collected fractions</b>
<b>20 01</b>	<b>separately collected fractions (except 15 01)</b>

**Table S2.2 Permitted waste types and quantities for the waste storage and treatment by Anaerobic Digestion**

The total quantity of waste accepted shall not exceed 10,000 tonnes per year.

The total quantity of food waste accepted for the purpose of the anaerobic digestion process shall not exceed 3,120 tonnes a year.

Maximum amount of food waste stored at any one time shall be 50 tonnes.

Hazardous wastes are not permitted.

**Wastes having any of the following characteristics shall not be accepted:**

- biodegradable wastes that is significantly contaminated with non-compostable or digestible contaminants, in particular plastic and litter shall be no more than 5% w/w and shall be as low as reasonably practicable by 31 December 2025.
- wastes containing wood-preserving agents or other biocides and post-consumer wood
- wastes containing persistent organic pollutants
- wastes containing Japanese Knotweed or other invasive plant species listed in the Invasive Species (Amendment etc.) (EU Exit) Regulations 2019
- manures, slurries and spoiled bedding and straw from farms where animals have notifiable diseases as stipulated in the Animal By-Products (Enforcement) (England) Regulations 2013.
- pest infested waste

<b>Waste code</b>	<b>Description</b>
20 01 01	paper and cardboard (excluding veneers, plastic coatings or laminates) meeting EN 13432 or equivalent certified compostable or digestible packaging only
20 01 08	biodegradable kitchen and canteen waste
20 01 25	edible oil and fat
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	biodegradable waste
<b>20 03</b>	<b>other municipal wastes</b>
20 03 01	mixed municipal waste – only separately collected biodegradable wastes of types listed within this table, Table S2.2
20 03 02	waste from markets – allowed only if source segregated biodegradable fractions e.g. plant material, fruit and vegetables

## Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location Note 1	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1	Methanol recovery unit stack	Methanol	No limit set	--	--	--
A2	0.4 MWth thermal hot oil boiler	Combustion gases	No limit set	--	--	--
A3	<u>Existing MCP</u> 1 MWth hot water boiler fired on natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	250 mg/m <sup>3</sup> Limit applies from 01/01/2030	In line with web guide: Monitoring stack emissions: low risk MCPs and specified generators Published 20 March 2024	Every 3 years from date of acceptance of first monitoring measurements under condition 3.5.5	In line with web guide: Monitoring stack emissions: low risk MCPs and specified generators Published 20 March 2024
		Carbon monoxide	No limit set			
A4	<u>Existing MCP</u> 1.22 MWth combined heat and power (CHP) plant fired on biogas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	500 mg/m <sup>3</sup>	Hourly average	Annually	BS EN 14792
			190 mg/m <sup>3</sup> Limit applies from 01/01/2030	Hourly average	Annually	BS EN 14792
		Carbon monoxide	1,400 mg/m <sup>3</sup>	Hourly average	Annually	BS EN 12619
		Total Volatile Organic Compounds (TVOCs)	1,000 mg/m <sup>3</sup>	Hourly average	Annually	BS EN 12619
		Sulphur dioxide	350 mg/m <sup>3</sup>	Hourly average	Annually	BS EN 14791
			60 mg/m <sup>3</sup> Limit applies from 01/01/2030	Hourly average	Annually	BS EN 14791

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location Note 1	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A5	Flare stack	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	No limit set	--	--	--
		Carbon monoxide				
		TVOCs				
		Sulphur dioxide				
A6	<u>Existing MCP</u> 1.2 MWth thermal oil boiler fired on natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	100 mg/m <sup>3</sup>	Hourly average	Every three years	BS EN 14792
		Carbon monoxide	No limit set			BS EN 15058
	<u>Existing MCP</u> 1.2 MWth thermal oil boiler fired on Olleco UCO grade R (UGR)	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	200 mg/m <sup>3</sup>	Periodic	Every three years	BS EN 14792
		Sulphur dioxide	15 mg/m <sup>3</sup>	Periodic		BS EN 14791
		Dust	20 mg/m <sup>3</sup>	Periodic		BS EN 13284-1
		Carbon monoxide	No limit set	Periodic		BS EN 15058

Table S3.1 Point source emissions to air – emission limits and monitoring requirements							
Emission point ref. & location Note 1	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method	
A7	<u>New MCP</u> Steam boiler 1 (7 MWth) fired on natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	100 mg/m <sup>3</sup>	Hourly average	Every three years	BS EN 14792	
		Carbon monoxide	No limit set			BS EN 15058	
	<u>New MCP</u> Steam boiler 1 (7 MWth) fired on Olleco UCO grade R (UGR)	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	200 mg/m <sup>3</sup>	Periodic	Every three years	BS EN 14792	
		Sulphur dioxide	15 mg/m <sup>3</sup>	Periodic		BS EN 14791	
		Dust	20 mg/m <sup>3</sup>	Periodic		BS EN 13284-1	
		Carbon monoxide	No limit set	Periodic		BS EN 15058	
	A8	<u>New MCP</u> Steam boiler 2 (7 MWth) fired on natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	100 mg/m <sup>3</sup>	Hourly average	Every three years	BS EN 14792
			Carbon monoxide	No limit set			BS EN 15058
Vent V1	Buffer tank system	Methanol and VOCs	No limit set	--	--	--	
Vent V2	Vacuum	VOCs	No limit set	--	--	--	
Vent V3	Post Methanol Recovery Tank	VOCs	No limit set	--	--	--	
Vent V4	Light Phase Tank	VOCs	No limit set	--	--	--	
Vent V5	Heavy Phase Tank	VOCs	No limit set	--	--	--	
Vent V6	Local Exhaust Ventilation serving heated drying tanks	VOCs	No limit set	--	--	--	
		Water vapour					
Vent V7	Vent from Wiped Film Evaporator system	Air incondensable gases	No limit set	--	--	--	
Vents V8, V9, V10	Biodiesel settling tanks breathing vents	Traces of methanol and VOCs	No limit set	--	--	--	

<b>Table S3.1 Point source emissions to air – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b> Note 1	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
Vents V11, V12	Vents from vacuum dryer skids vents	Water vapour, traces of methanol and VOCs	No limit set	--	--	--
Vent V13	Vent from UCO vacuum dryer	Water vapour	No limit set	--	--	--
Note 1: Emission points identified on site plan in Schedule 7 of this permit.						

<b>Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. Unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
S1 on point source emission plan in Schedule 7 of this permit	Anaerobic digestion plant	No parameters set	No limit set	--	--	--

<b>Table S3.3 Process monitoring requirements</b>				
<b>Emission point reference or source or description of point of measurement</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
Biogas from digesting tanks; Biogas storage tank	Flow	Continuous	In accordance with EU Weights and Measures Regulations	--
Biogas from digesting tanks; Biogas storage tank	Methane	Continuous	--	
Biogas from digesting tanks; Biogas storage tank	Hydrogen sulphide	Continuous	--	
Biogas from digesting tanks; Biogas and digestate from the digestate storage tank); waste reception areas and external storage areas	Odour	Daily	Olfactory monitoring	Odour detection at the site boundary using methods outlined in the Environment Agencies H4 guidance note on Odour management.
V6 - Production of VOCs; Heated Drying Tanks, Unit 4	Odour	Daily	Olfactory monitoring	Odour detection at the site boundary using methods outlined in the Environment Agencies H4 guidance note on Odour management.

## Schedule 4 – Reporting

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

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.5.1	A3	Every 3 years from date of acceptance of first monitoring measurements under condition 3.5.5	1 January
	A4	Annually	1 January
	A6, A7 & A8	Every 3 years	1 January

Parameter	Units
Biodiesel	tonnes
Ultra biofuel	tonnes
Electricity generated	MWh

Parameter	Frequency of assessment	Units
Glycerol waste generated	Annually	tonnes per 1 tonne of biodiesel
Other waste generated	Annually	tonnes per 1 tonne of biodiesel
Energy usage	Annually	MWh
CHP gas engine usage	Annually	hours
Flare operation	Annually	hours

Parameter	Reporting form	Form version number and date
Air	Form air 1 or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Waste	Form waste 1 or other form as agreed in writing by the Environment Agency	18/04/2011
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	18/04/2011
Performance parameters	Form performance 1 or other form as agreed in writing by the Environment Agency	19/02/2014

# 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	

<b>(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</b>	
<b>To be notified within 24 hours of detection</b>	
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>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the breach of permit conditions not related to limits</b>	
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.	

<b>(d) Notification requirements for the detection of any significant adverse environmental effect</b>	
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.

“combined heat and power” (CHP) or Cogeneration means the simultaneous generation in one process of thermal energy and electrical or mechanical energy.

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

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

“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.

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

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

“first put into operation” means that the plant must have been fired with its design fuel up to its full load. This can be, but does not have to be, during commissioning.

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

“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.

“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.

“operating hours” means the time, expressed in hours, during which a combustion plant is operating and discharging emissions into the air, excluding start-up and shut-down periods.

“Pests” means Birds, Vermin and Insects.

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

“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 Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

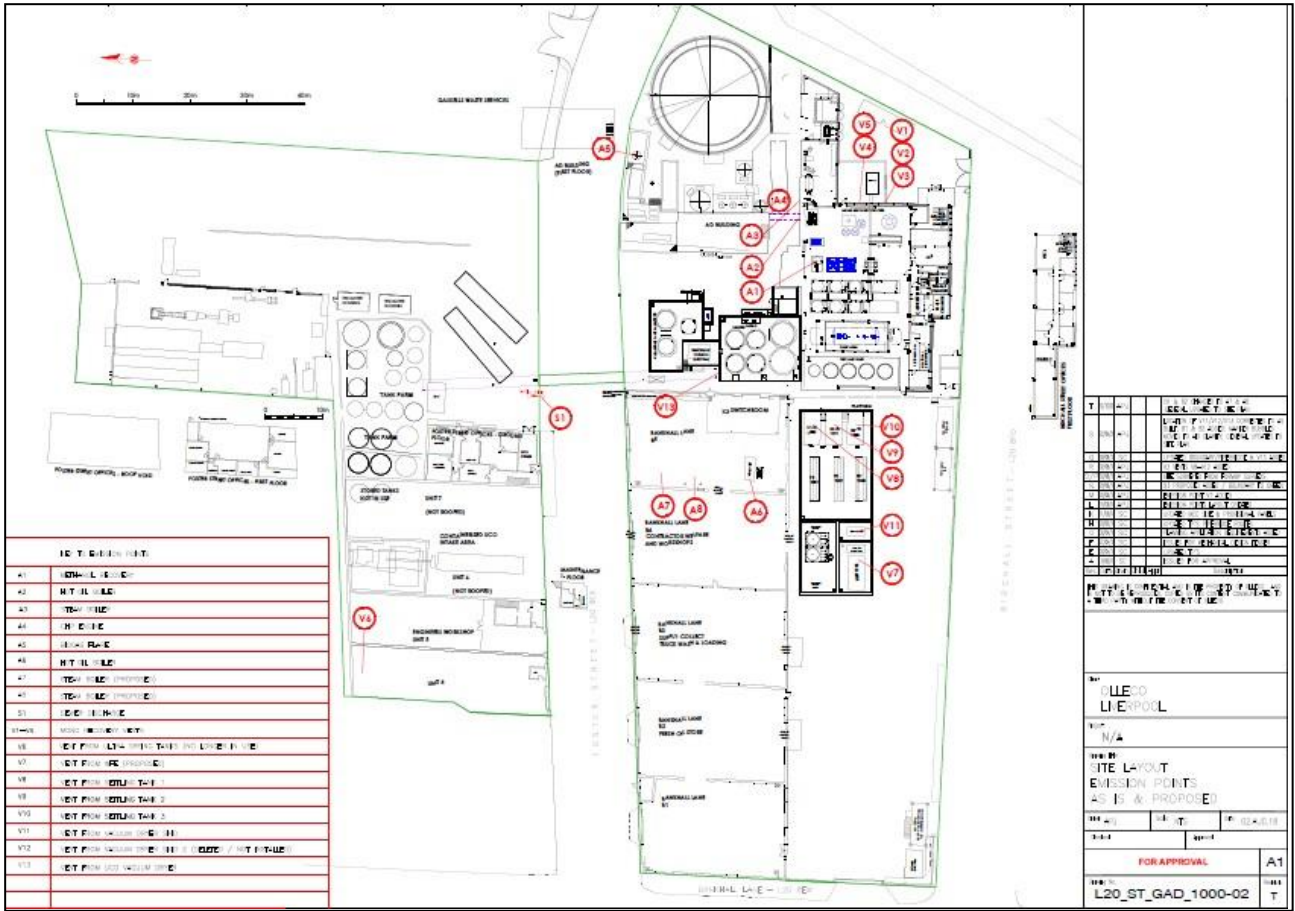
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

“year” means calendar year ending 31 December.

# Schedule 7 – Site plan



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END OF PERMIT