

# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

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Ryedale Organics Limited

Ryedale Farm Organics Recycling Facility

Ryedale Farm

Melbourne

York

YO42 4ST

## **Variation application number**

EPR/DB3701LG/V004

## **Permit number**

EPR/DB3701LG

# Ryedale Farm Organics Recycling Facility

## Permit number EPR/DB3701LG

### 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.

The main features of the installation are as follows:

The site is located off Seaton Common Lane, Melbourne. The site is approximately 1.5 kilometres to the south-east of the village of Melbourne, and approximately 7 kilometres southwest of the town of Pocklington in East Riding, Yorkshire. The area surrounding of the site is predominantly arable cropping.

The following listed activities are undertaken at the installation under the Environmental Permitting Regulations:

- Section 5.4 Part A(1)(b)(i) – Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day.
- Section 5.1 Part B(a)(v) activity – Incineration in a small waste incineration plant with an aggregate capacity of 50 kilogrammes or more per hour of wood waste

The following Directly Associated Activities (DAA) are also undertaken taken at the installation:

- Storage of wastes pending recovery or disposal
- Physical treatment for the purposes of recycling
- Raw material storage
- Compost storage
- Process water collection and storage
- Surface water collection and storage

The installation accepts non-hazardous green waste and Category 3 Animal By-Products, feathers and catering waste for biological treatment. The composting facility currently consists of a reception building, 3 in-vessel composting (IVC) units, one biofilter, multiple maturation bays and a screening area.

All incoming vehicles delivering feedstock to the facility enter via the entrance and proceed to the weighbridge. Documentation is checked by the operative in the weighbridge to ensure that the material being delivered is of the correct type. The relevant documentation is signed by the operative to confirm the acceptance/receipt of the material prior to the driver being allowed to proceed to the specific storage area.

An operative undertakes a visual inspection of the material arriving on site to ensure that it conforms to the waste pre-acceptance requirements. Upon passing the visual inspection, the vehicle is directed to the correct area on site to deliver the feedstock. Incoming pallet wood is subsequently taken to the pallet wood storage area next to the woodchip shed. Following deposit at the pallet wood storage area, it is subsequently chipped.

The wastes are recycled and composted within enclosed in-vessel composting (IVC) buildings, to produce a material suitable for recovery by spreading on agricultural land, conferring nutrient and structural benefit to the soils. Oversize material from the composting process is then processed through the oversize cleaning

line. This material is screened, wind-sifted and washed. The organic fines (<10 mm) are re-introduced into the composting process whilst the aggregate, plastics and metals are removed from site for recycling.

This is a multi-operator site with an adjacent installation (Ryedale Poultry Farm) operated by Annyalla Chick (UK) Broilers Limited under environmental permit EPR/EP3736JQ. There is a technical connection between the two sites as Ryedale Poultry Farm uses the waste wood stored and shredded at Ryedale Organic Recycling Facility. There are two biomass boilers and two drying floors. One boiler and drying floor are associated with the composting facility permit as the drying floor will be used to dry compost oversize. The second boiler and drying floor are associated with the poultry farm installation.

This variation (EPR/DB3701LG/V004) authorises the increase in annual waste throughput from 79,000 tonnes to 120,000 tonnes for the biological treatment activity (AR1). The composting activity will process up to 100,000 tonnes of waste. The operator will accept up to 20,000 tonnes of oversize material from off-site sources for treatment at the oversize cleaning line.

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.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Waste Management Licence EAWML 66059	26/09/03	
Variation issued EPR/TP3396ZM/V002	23/03/10	
Application EPR/TP3396ZM/V003	07/07/11	Application to vary from a bespoke permit to a standard rules permit SR2008No17.
Application returned EPR/TP3396ZM/V003	26/07/11	Application returned due to site not fitting Standard Rules criteria.
Application EPR/TP3396ZM/V004	Duly made 12/09/14	Application for IED in conjunction with transfer of holder under (EPR/DB3701LG/T001). Issued with new permit number.
Application EPR/DB3701LG/T001 (full transfer of permit EPR/TP3396ZM)	Duly made 12/09/14	Application to transfer holder from Mr Malcolm Kemp, Mr David Kemp & Mr Jeremy Kemp to Ryedale Organics Limited. Applied for in conjunction with IED application (EPR/TP3396ZM/V004).
Transfer determined EPR/DB3701LG	10/12/15	Full transfer of permit complete.
Variation determined EPR/DB3701LG	17/05/16	Varied and consolidated permit issued in modern condition format. IED permit issued with new permit number (EPR/DB3701LG/V002).
Application EPR/DB3701LG/V003 (variation and consolidation)	Duly made 30/04/18	Application to vary the permit to operate a biomass boiler, wood chipping, two drying floors and a compost oversize treatment line.
Additional information received	13/07/18 24/07/18 19/10/18	Schedule 5 response received.
Additional information received	20/12/18	Request for further information response received.
Variation determined EPR/DB3701LG	17/05/19	Varied and consolidated permit issued.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application EPR/DB3701LG/V004 (variation and consolidation)	Duly made 02/10/19	Application to increase annual throughput for the composting activity from 79,000 tonnes to 120,000 tonnes.
Variation determined EPR/DB3701LG (Billing Ref: UP3501PM)	02/12/19	Varied and consolidated permit issued.

<b>Other Part A installation permits relating to this installation</b>		
<b>Operator</b>	<b>Permit number</b>	<b>Date of issue</b>
Annyalla Chick (UK) Broilers Limited	EPR/EP3736JQ	22/10/18

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/DB3701LG

### Issued to

**Ryedale Organics Limited** (“the operator”)

whose registered office is

**Ryedale Farm**

**Melbourne**

**York**

**YO42 4ST**

company registration number 04380931

to operate a regulated facility at

**Ryedale Farm Organics Recycling Facility**

**Ryedale Farm**

**Melbourne**

**York**

**YO42 4ST**

to the extent set out in the schedules.

The notice shall take effect from 02/12/2019.

Name	Date
Maxine Evans	02/12/19

Authorised on behalf of the Environment Agency

## **Schedule 1**

The following conditions were varied as a result of the application made by 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/DB3701LG**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/DB3701LG/V004 authorising,

**Ryedale Organics Limited** (“the operator”),

whose registered office is

**Ryedale Farm**

**Melbourne**

**York**

**YO42 4ST**

company registration number 04380931

to operate an installation at

**Ryedale Farm Organics Recycling Facility**

**Ryedale Farm**

**Melbourne**

**York**

**YO42 4ST**

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

Name	Date
Maxine Evans	02/12/19

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.

## **1.5 Multiple operator installations**

- 1.5.1 Where the operator notifies the Environment Agency under condition 4.3.1 (a) or 4.3.1 (c), the operator shall also notify without delay the other operator of the installation of the same information.

## **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, which is within the area edged in red on the site plan that represents the extent of the installation covered by this permit and that of the other operator of the installation.

### **2.3 Operating techniques**

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 tables S2.2 and S2.3; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
  - (b) the composition of the waste;
  - (c) the handling requirements of the waste;
  - (d) the hazardous property associated with the waste, if applicable; and
  - (e) the waste code of the waste.
- 2.3.6 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

## **2.4 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;
- (b) process monitoring specified in table S3.3;
- (c) bioaerosols 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.

### **3.8 Bioaerosols**

3.8.1 The operator shall take all appropriate measures, to prevent or where that is not practicable to minimise the release of bioaerosols. Emissions of bioaerosols from the operational activities shall not exceed the emission threshold limits specified in table S3.4.

- 3.8.2 The operator shall where the emission threshold limits are exceeded:
- (a) notify the Environment Agency and investigate and take remedial action;
  - (b) submit to the Environment Agency for approval within the period specified, a bioaerosols management plan which identifies and minimises the risks of pollution from bioaerosols; and
  - (c) implement the bioaerosols management plan from the date of approval and revise the plan periodically, 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.
- 4.2.6 The operator shall submit to the Environment Agency a bi-annual report of the efficiency of the biofilter in the first year of compost operations. This shall include but not be limited to, the assessment of the efficiency to reduce odours, the summary of maintenance and any re-commissioning planned or conducted, assessment of back pressure, venting and cracking. Thereafter the operator shall submit the report within one month of the end of each year, unless otherwise agreed in writing by the Environment Agency.

### 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 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, 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

<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 and WFD Annex I and II operations</b>	<b>Limits of specified activity and waste types</b>
AR1 Enclosed IVC to open windrows	S5.4 A(1)(b)(i) Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving biological treatment.	R3: Recycling/reclamation of organic substances which are not used as solvents	<p>From receipt of permitted waste through to composting and recovery of by-products.</p> <p>Composting of permitted waste under aerobic conditions in closed composting reactors or in closed vessels/buildings fitted with appropriate odour abatement.</p> <p>Composting of waste under aerobic conditions in open systems outdoor turned windrows on impermeable surface with sealed drainage system.</p> <p>Maximum quantity of waste being stored prior to composting and in the composting process and stored for maturation shall not exceed 18,000 tonnes at any one time.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>
AR2 Biomass boiler	Section 5.1 B(a)(v) Incineration in a small waste incineration plant with an aggregate capacity of 50 kilogrammes or more per hour of wood waste	R1: Use principally as a fuel or other means to generate energy	<p>From receipt of waste and fuel through to release of combustion products to air and associated wastes removed from site.</p> <p>Operation of a biomass boiler with a thermal rated input not exceeding 1.1 megawatts, burning raw materials and fuel as specified in table S2.1 and waste types as specified in Table S2.3 from a source(s) agreed in writing with the Environment Agency.</p>
<b>Directly Associated Activity</b>			
AR3 & AR4	Storage of waste pending recovery or disposal	R13: Storage of waste pending the R3 operation (excluding temporary	Undertaken in relation to Activity AR1.

		storage, pending collection, on the site where it is produced)	<p>From the receipt of waste to despatch for composting or despatch off site for recovery and/or disposal.</p> <p>Storage of waste in an enclosed building fitted with appropriate odour abatement and on an impermeable surface with sealed drainage.</p> <p>Storage prior to commencement of process is limited to five days.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>
		R13: Storage of waste pending the R1 operation (excluding temporary storage, pending collection, on the site where it is produced)	<p>Undertaken in relation to Activity AR2.</p> <p>From the receipt of waste wood to despatch for combustion or despatch off site for recovery and/or disposal.</p> <p>Storage of waste wood in an enclosed building on an impermeable surface with sealed drainage.</p> <p>Unprocessed waste wood can be stored outside on an impermeable surface with sealed drainage.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.3.</p>
AR5 & AR6	Physical treatment for the purposes of recycling	<p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R1: Use principally as a fuel or other means to generate energy</p>	<p>Undertaken in relation to Activity AR1.</p> <p>From the receipt of waste to despatch for composting or despatch off site for recovery.</p> <p>Pre-treatment of waste prior to composting in an enclosed building and on an impermeable surface including shredding and screening.</p> <p>Post-treatment of processed compost on an impermeable surface including screening to remove contraries.</p>



			<p>Processing of compost oversize in an enclosed building and on an impermeable surface including sorting, screening, separating, washing and drying on drying floors prior to recirculation into the composting process or despatch off-site for recovery or disposal.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p> <p>Undertaken in relation to Activity AR2.</p> <p>From the receipt of waste to despatch for combustion in the biomass boiler.</p> <p>Pre-treatment of waste prior to combustion in an enclosed building and on an impermeable surface including chipping.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.3.</p>
AR7	Raw material storage	Storage of raw materials.	<p>Undertaken in relation to Activity AR1 and AR2.</p> <p>From the receipt of raw materials to despatch for use within the facility.</p>
AR8	Compost storage	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	<p>Undertaken in relation to Activity AR1.</p> <p>From the receipt of processed compost produced at the facility to despatch for use off-site.</p> <p>Storage of processed compost outside on an impermeable surface.</p>
AR9	Process water collection and storage	Collection and storage of compost liquor/leachate in storage tanks.	<p>Undertaken in relation to Activity AR1.</p> <p>From the receipt of compost leachate produced at the facility only to re-use within the facility or despatch off site for recovery or disposal.</p>
AR10	Surface water collection and storage	Collection and storage of uncontaminated roof and site surface water in storage tanks.	<p>Undertaken in relation to Activity AR1 and AR2.</p> <p>From the collection of uncontaminated roof and site surface water from non-operational areas only to re-use within the facility or</p>

			discharge off-site for recovery or disposal.
AR11	Air treatment	Collection and treatment of air from the buildings or plant using biofilters prior to release to atmosphere.	Undertaken in relation to Activity AR1. From the collection of air from site processes to treatment and release of treated air to atmosphere.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Variation Application	Documents included in the Environmental Permit Variation Application pack. Document reference K109. 1-11-004 titled <i>Environmental Risk Assessment &amp; Management Plan</i> .	16/11/09
Variation Application	Environmental Risk Assessment, document reference RYE-WB04, Issue 01, provided in response to section 6, Part C2 of the application form.	31/01/18
Additional Information	Management System Composting Site, document reference RYE-WB02, Issue 01, provided in response to section 1, Part C3 of the application form.	18/04/18
	Accident Management Plan, document reference RYE-WB12, Issue 03.	19/10/18
	Odour Management Plan document reference RYE- WB08 Issue 05 dated 19/10/2018 and Fire Prevention Plan document reference RYE-WB09 Issue 05 dated 19/10/2018 & Site Plan.	19/12/18
Application EPR/DB3701LG/V004	BAT assessment, document reference RYE-A04, Issue 02, dated 28/06/19. Site Process Flow, document reference RYE-A03, Issue 02, dated 28/06/19. Odour Management Plan, document reference RYE-C02 Issue 06 dated 28/06/19. Site Capacity Assessment, document reference RYE-A02 Issue 02 dated 28/06/19. Environmental Risk Assessment, document reference RYE-C01, Issue 04 dated 28/06/19. Management System Composting Site, document reference RYE-B01, Issue 02 dated 28/06/19. Fire Prevention Plan document reference RYE-C03, Issue 07 dated 28/06/19. Site Specific Bioaerosols Risk Assessment, document reference RYE-C04, Issue 04 dated 19/09/19.	Duly made 02/10/19

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC1	<p>The operator shall undertake ambient monitoring of bioaerosols, as defined in table S3.4 with respect to total bacteria and <i>Aspergillus fumigatus</i> emissions. The monitoring schedule shall be designed to provide data representative of typical operating conditions at the site and shall be in accordance with the Technical Guidance Note M9 (version 2, July 2018).</p> <p>As a minimum, two separate monitoring campaigns shall be completed 6 months from the date of variation notice issue (first monitoring to be undertaken 3 months following variation notice issue and the next monitoring 3 months thereafter).</p> <p>The operator shall submit a written report to the Environment Agency detailing the monitoring undertaken and the results obtained.</p>	17/12/19 or otherwise agreed in writing by the Environment Agency
IC2	<p>Following the completion of IC1, the operator shall provide a revised bioaerosols risk assessment report and submit this to the Environment Agency for approval. The bioaerosols risk assessment report shall incorporate the monitoring requirements of the Technical Guidance Note M9 (version 2, July 2018) and the results from the ambient monitoring campaigns.</p> <p>If the ambient monitoring results show exceedance of the thresholds for total bacteria and <i>Aspergillus fumigatus</i> downwind and at the nearest sensitive receptor, the operator shall propose further mitigation measures and an action plan to reduce the impacts of the bioaerosols identified.</p>	17/12/19 or otherwise agreed in writing by the Environment Agency

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

<b>Raw materials and fuel description</b>	<b>Specification</b>
Fuel for biomass boiler unit	Biomass chips or pellets comprising of virgin timber, Grade A waste wood or a combination of these.

<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 120,000 tonnes.</b>
<b>Exclusions</b>	Wastes having any of the following characteristics shall not be accepted: - consisting solely or mainly of dusts (except sawdust), powders, or loose fibres; - wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed; - hazardous wastes
<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 01	sludges from washing and cleaning produced during food preparation and processing only
02 01 02	animal-tissue waste
02 01 03	plant-tissue waste
02 01 06	animal faeces, urine and manure (including spoiled straw) only
02 01 07	wastes from forestry (biodegradable only)
02 01 99	wastes not otherwise specified (spent mushroom compost and fully biodegradable bedding only)
<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 (biodegradable only)
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
02 03 04	biodegradable materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
<b>02 04</b>	<b>wastes from sugar processing</b>
02 04 01	soil from cleaning and washing beet
02 04 03	sludges from on-site effluent treatment (biodegradable only)
<b>02 05</b>	<b>wastes from the dairy products industry</b>

<b>Table S2.2 Permitted waste types and quantities for composting in closed systems (including oversized cleaning line)</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 120,000 tonnes.</b>
<b>Exclusions</b>	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> <li>- consisting solely or mainly of dusts (except sawdust), powders, or loose fibres;</li> <li>- wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed;</li> <li>- hazardous wastes</li> </ul>
<b>Waste code</b>	<b>Description</b>
02 05 01	materials unsuitable for consumption or processing (biodegradable only)
02 05 02	sludges from on-site effluent treatment (biodegradable only)
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
02 06 01	materials unsuitable for consumption or processing (biodegradable only)
02 06 03	sludges from on-site effluent treatment (biodegradable only)
<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 only)
02 07 02	wastes from spirits distillation (biodegradable only)
02 07 04	materials unsuitable for consumption or processing (biodegradable only)
02 07 05	sludges from on-site effluent treatment (biodegradable only)
02 07 99	wastes not otherwise specified (malt husks, malt sprouts, yeast and yeast-like residues only). Allowed if biodegradable material only, no chemical agents added, and no toxin residues present.
<b>03</b>	<b>Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard</b>
<b>03 01</b>	<b>wastes from wood processing and the production of panels and furniture</b>
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood and particle board other than those mentioned in 03 01 04
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 01	waste bark and wood
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
<b>04</b>	<b>Wastes from the leather, fur and textile industries</b>
<b>04 01</b>	<b>wastes from the leather and fur industry</b>
04 01 01	fleshings and lime split wastes
<b>04 02</b>	<b>wastes from the textile industry</b>
04 02 10	organic matter from natural products (un-dyed and untreated only)
04 02 21	wastes from unprocessed textile fibres.
<b>07</b>	<b>Wastes from organic chemical processes</b>
<b>07 02</b>	<b>wastes from the manufacture, formulation, supply and use of plastics, synthetic rubber and man-made fibres</b>
07 02 13	waste plastic (unused, compostable and uncontaminated excess production only)

<b>Table S2.2 Permitted waste types and quantities for composting in closed systems (including oversized cleaning line)</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 120,000 tonnes.</b>
<b>Exclusions</b>	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> <li>- consisting solely or mainly of dusts (except sawdust), powders, or loose fibres;</li> <li>- wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed;</li> <li>- hazardous wastes</li> </ul>
<b>Waste code</b>	<b>Description</b>
<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)
15 01 02	plastic packaging (compostable plastics only)
15 01 03	wooden packaging
15 01 05	composite packaging (only biodegradable organic packaging)
15 01 09	textile packaging (made entirely from biodegradable fibres only)
<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	liquor/leachate from a composting process that accepts waste input types listed in this table only
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 02</b>	<b>wood, glass and plastic</b>
17 02 01	wood
<b>17 05</b>	<b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 06	dredging spoil other than those mentioned in 17 05 05 (from inland waters only)
<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 wastes (waste types listed in this table only)
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05 (only if derived solely from physical treatment and/or pH adjustment of waste input types listed in this table)
<b>19 05</b>	<b>wastes from aerobic treatment of solid wastes</b>
19 05 03	off-specification compost (from a composting process that accepts waste input types listed in this table)
<b>19 06</b>	<b>wastes from anaerobic treatment of waste</b>
19 06 03	liquor from anaerobic treatment of municipal waste (derived from source segregated municipal waste only)
19 06 04	digestate from anaerobic treatment of municipal waste (derived from source segregated municipal waste only)

<b>Table S2.2 Permitted waste types and quantities for composting in closed systems (including oversized cleaning line)</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 120,000 tonnes.</b>
<b>Exclusions</b>	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> <li>- consisting solely or mainly of dusts (except sawdust), powders, or loose fibres;</li> <li>- wastes containing treated wood, wood-preserving agents or other biocides, persistent organic pollutants, Japanese Knotweed;</li> <li>- hazardous wastes</li> </ul>
<b>Waste code</b>	<b>Description</b>
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
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
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 01	paper and cardboard (excluding veneers or plastic coatings)
19 12 07	wood other than that mentioned in 19 12 06
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (and only including wastes types listed in the standard rules)
<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 01	paper and cardboard (excluding veneers, plastic coatings or laminates)
20 01 08	biodegradable kitchen and canteen waste
20 01 25	edible oil and fat
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics (compostable plastics only)
<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 02	waste from markets (biodegradable only)

<b>Table S2.3 Permitted waste types and quantities for activity AR2: incineration of Grade A wood waste in a biomass boiler</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 2,500 tonnes.</b>
<b>Waste code</b>	<b>Description</b>
<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 03	wooden packaging including pallets (visibly clean with no chemical treatments applied)

## Schedule 3 – Emissions and monitoring

<b>Emission point ref. &amp; location</b>	<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>
A1 shown on figure 3 – Building and point source layout in Air Quality Impact Assessment Issue 01 RYE_WB05	Stack from biomass boiler plant [Note 1]	Carbon monoxide	150 mg/m <sup>3</sup>	Hourly average	Annual	BS EN 15058
		Dust	60 mg/m <sup>3</sup>	Hourly average	Annual	BS EN 13284-1
		Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	400 mg/m <sup>3</sup>	Hourly average	Upon commissioning and after any subsequent change to the installation	BS EN 14792
		Total VOCs	20 mg/m <sup>3</sup>	Hourly average	Annual	BS EN 12619:2013
Red circles Indicated on site plan (Schedule 7) above biofilter	Biofilter from enclosed composting vessels	No parameter set	No limit set	--	--	--
Red circles Indicated on site plan (Schedule 7) above biofilter	Biofilter for air within buildings	No parameter set	No limit set	--	--	--

Note 1: All limits are defined as 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<sub>2</sub> content of 11%.

<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>
Surface water and process water collected in site drainage will be collected in a storage tank and transferred offsite via tanker.	Surface water and process water to storage tank.	No parameter set	No limit set	--	--	--



<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>
Internal for each enclosed composting vessel	Temperature	Continuous	Temperature probe	None
	Moisture	Continuous	Moisture meter	None
Any sample of waste or compost	Temperature	None specified	Temperature probe	Monitoring equipment shall be available on site and used as required to maintain aerobic conditions and ensure compliance with this permit.
	Moisture	None specified	Moisture Meter	
Biofilter	Temperature	As required	Temperature probe	Biofilter shall be regularly checked and maintained to ensure appropriate temperature and moisture content.
	Moisture	As required	None specified	
	Thatching/compaction	As required	None specified	
Waste reception building; Storage tank(s); Maturation area	Odour	Daily	Olfactory monitoring	Odour detection at the site boundary.
Storage tank for red diesel	Integrity checks	Weekly	Visual assessment	--

<b>Location or description of point of measurement</b>	<b>Parameter</b>	<b>Bioaerosols threshold limits (CFU m<sup>-3</sup>)</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
Upwind of the operational area, as described in the Technical Guidance Note M9	Total bacteria	1000 <sup>Note 1</sup>	Quarterly for the first year of operation and twice a year thereafter, unless another frequency is agreed in writing by the Environment Agency	In accordance with Technical Guidance Note M9 – Environmental monitoring of bioaerosols at regulated facilities.	As described in the Technical Guidance Note M9, including all the additional data requirements specified therein.
Downwind of the operational area, as described in the Technical Guidance Note M9	Aspergillus Fumigatus	500 <sup>Note 1</sup>			
Note 1 – The bioaerosols threshold limits are only applicable at downwind sampling locations.					

## Schedule 4 – Reporting

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

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Emissions to air Parameters as required by condition 3.5.1.	A1	Every 12 months	1 January
Bioaerosols monitoring Parameters as required by condition 3.5.1	As specified in schedule 3 table S3.4	Every 3 months or as agreed in writing by the Environment Agency	1 January, 1 April, 1 July, 1 October
Biofilter efficiency Parameters as required by condition 4.2.6	Biofilters	Every 12 months	1 January

<b>Table S4.2 Annual production/treatment</b>	
<b>Parameter</b>	<b>Units</b>
Processed compost	tonnes

<b>Table S4.3 Performance parameters</b>		
<b>Parameter</b>	<b>Frequency of assessment</b>	<b>Units</b>
Water usage	Annually	tonnes or m <sup>3</sup>
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes

<b>Table S4.4 Reporting forms</b>		
<b>Media/parameter</b>	<b>Reporting format</b>	<b>Date of form</b>
Air	Form air 1 or other form as agreed in writing by the Environment Agency	17/05/19
Bioaerosols	As specified in Technical Guidance Note M9 or other form as agreed in writing by the Environment Agency	--
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	17/05/16
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	17/05/16
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	17/05/16
Waste Returns	E-waste Returns Form or other form as agreed in writing by the Environment Agency	--

# 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	

<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>	
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 detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
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.

“animal waste” means any waste consisting of animal matter that has not been processed into food for human consumption. This does include blood, feathers, uncooked butcher waste and any other animal waste that is not catering waste or former foodstuffs. This does not include faecal matter from animals (e.g. chicken litter or farmyard manure).

“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.

“bioaerosols threshold limits” means the maximum acceptable bioaerosol concentrations at the nearest sensitive receptor, or at an equivalent distance downwind of the biowaste treatment operations, which are attributable to the biowaste treatment operations. The maximum acceptable concentrations are respectively 1000 and 500 CFU m<sup>-3</sup> for total bacteria and *Aspergillus fumigatus*.

“building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“compost” means solid particulate material that is the result of composting, which has been sanitised and stabilised, and which confers beneficial effects when added to soil, used as a component of growing media or used in another way in conjunction with plants.

“compostable plastics” means plastics that are certified to meet the standards of EN 13432, EN 14995 or equivalent.

“composting batch” means an identifiable quantity of material that progresses through the composting system and when fully processed has similar characteristics throughout. For composting systems that operate on a continuous or a plug-flow basis, batches will be taken to mean a series of “portions of production”.

“composting” means the biological decomposition of organic materials, under conditions that are predominantly aerobic and that allow the development of thermophilic temperatures as a result of biologically produced heat and that result in compost.

“closed system” means a closed composting reactor or closed area (such as a building) in which waste is fully contained and efficient air management abatement systems are demonstrated. This may cover a wide range of technology and where necessary is in compliance with the Animal By-Products Regulations.

“disposal” means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“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.

“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.

“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.

“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.

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

“pests” means Birds, Vermin and Insects.

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

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“sanitisation stage” means the actively managed and intensive stage of composting lasting for at least five days, characterised by high oxygen demand and temperatures of over 55 °C, during which biological processes, together with conditions in the composting mass, eradicate human and animal pathogens or reduce them to acceptably low levels.

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

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

“stable, stabilised” means the degree of processing and biodegradation at which the rate of biological activity has slowed to an acceptably low and consistent level and will not significantly increase under favourable, altered conditions.

“stabilisation stage” means the stage of composting following sanitisation, during which biological conditions in the composting mass, give rise to compost that is nominally stable.

“treated wood” means any wood that has been chemically treated (e.g. to enhance or alter the performance of the original wood). Treatments may include penetrating oils, tar oil preservatives, water-borne preservatives, organic-based preservatives, boron and organo-metallic based preservatives, boron and halogenated flame retardants and surface treatments (including paint and veneer).

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, 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.

“year” means calendar year ending 31 December.

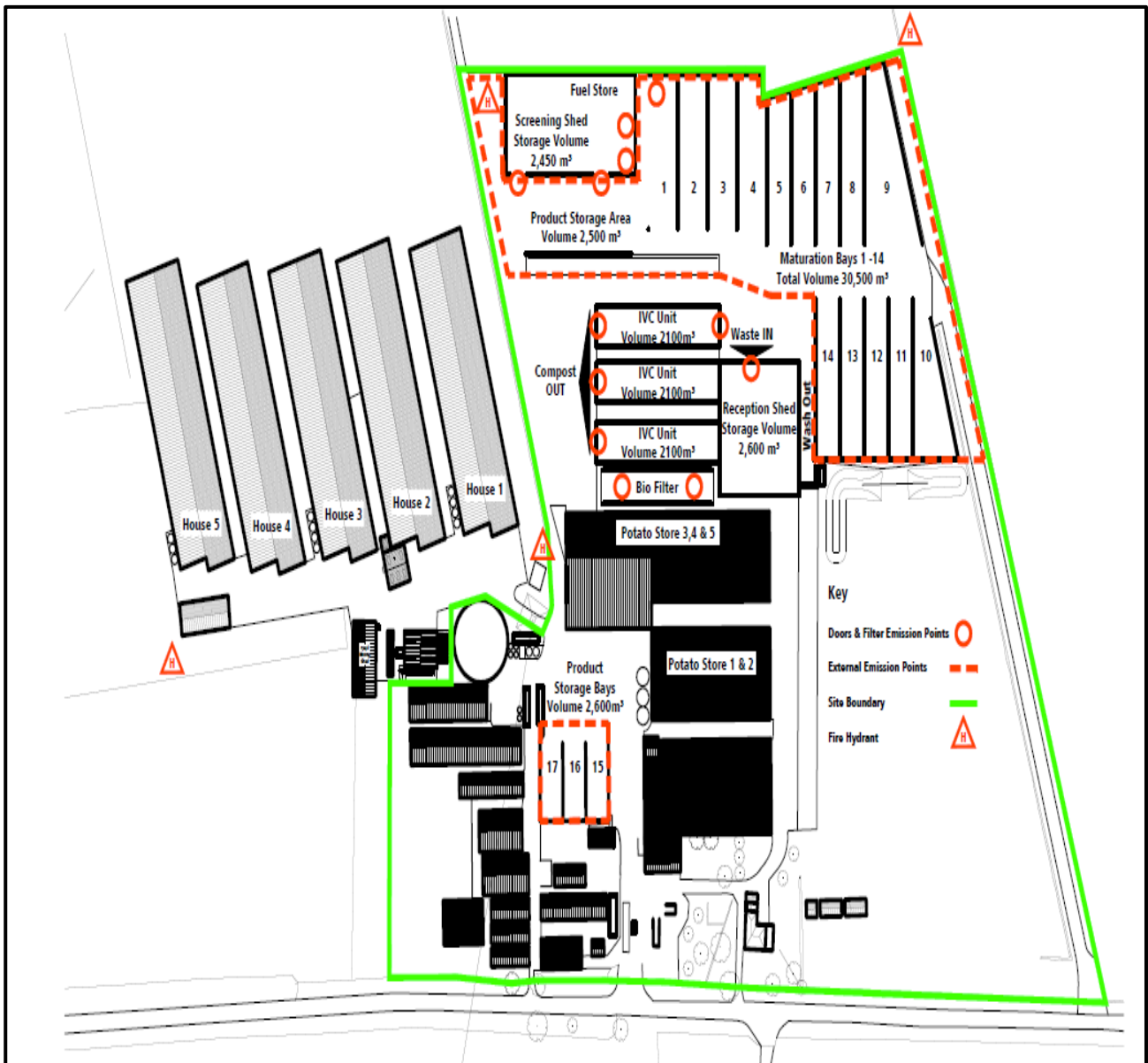
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

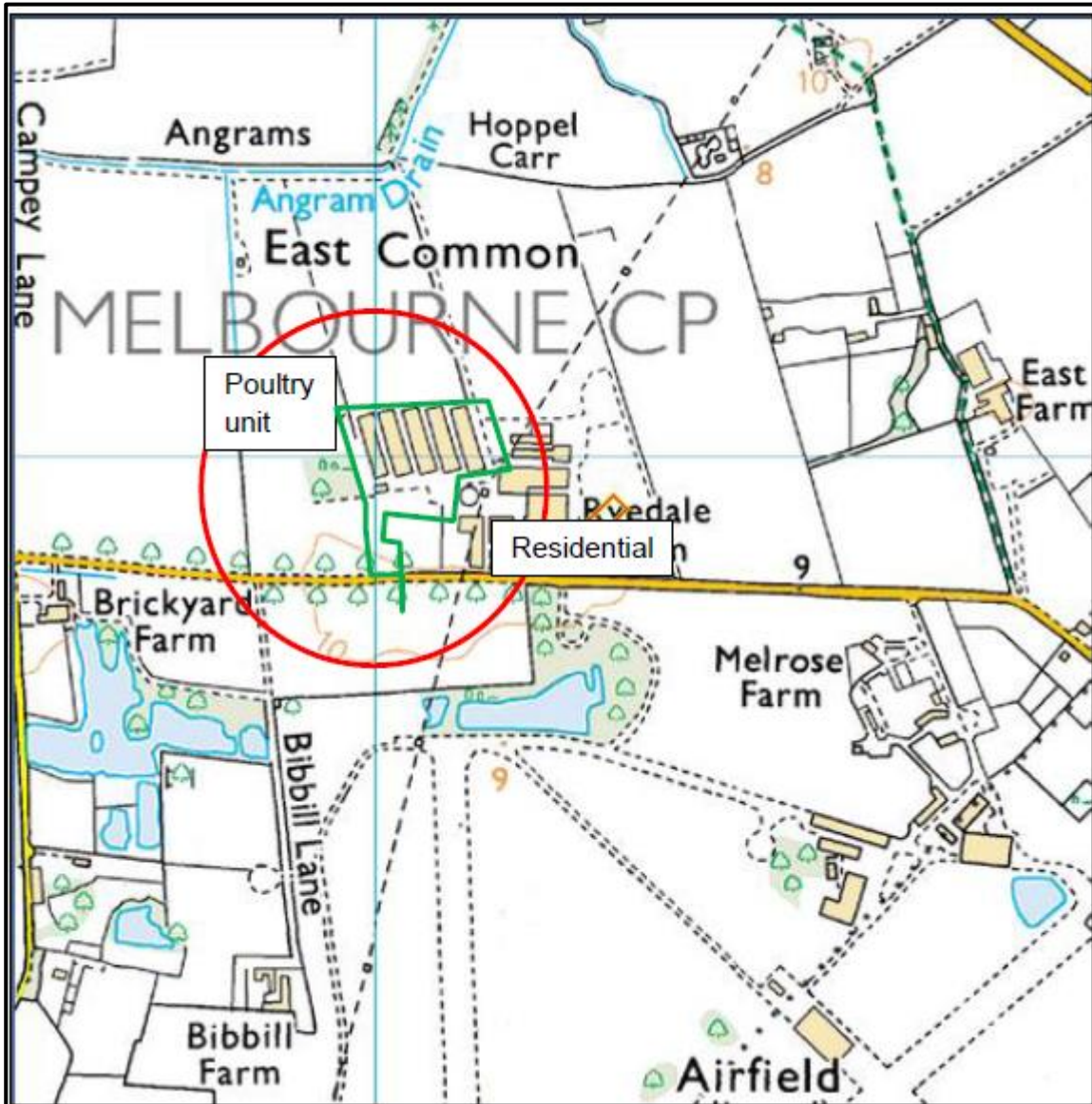
- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration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

# Schedule 7 – Site plan

## Site plan



Site location plan



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