

# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

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Hollybush Recycling Limited

Hollybush Farm  
Warstone Road  
Shareshill  
Wolverhampton  
WV10 7LX

**Variation application number**

EPR/DB3601HB/V003

**Permit number**

EPR/DB3601HB

# Hollybush Farm

## Permit number EPR/DB3601HB

### Introductory note

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

Under the Environmental Permitting (England & Wales) Regulations 2010 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

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

The Industrial Emissions Directive (IED) was transposed in England and Wales by the Environmental Permitting (England and Wales)(Amendment) Regulations 2013 on 27 February 2013. This variation implements the changes brought about by the IED for “existing facilities operating newly prescribed activities” and completes the transition of this facility from a waste operation to an IED Installation.

Hollybush Farm facility covers an area of approximately 8 hectares in a rural setting. The site is situated approximately 1km West of Cheslyn Hay, Staffordshire, centred on National Grid Reference SJ965068. The site is bounded to the South by the Hollybush Garden Centre and Nurseries, to the West by a track (Hospital Lane) and to the North and East by hedgerows and agricultural land.

Hollybush Farm currently receives green and catering waste. The waste is treated using two complimentary processes: a green waste (open windrow) process and an in-vessel process (IVC). The outputs from both facilities are produced to PAS100:2005 standards and sold to soil blending, horticultural and agricultural markets. The two composting activities are now regulated as an Installation as a result of this variation. Stage 1 of the IVC activity takes place in a building on an impermeable surface with sealed drainage. The stage 2 maturation process takes place outside in windrows on an impermeable surface with sealed drainage. The open windrow process takes place outside in windrows on an impermeable surface with sealed drainage. Run off or leachate from the composting areas is stored in the Phase 1 Tank or lagoon and treated by Reverse Osmosis for re-use on the windrows to manage moisture content.

The other activities on site will remain as waste activities, processing of waste inert materials to produce secondary aggregate and soils, and production of fuel pellets and biofuel from waste wood and oversize materials from the composting processes. The site also stores Gypsum based waste material prior to transferring off site for recovery. Surface run off from the inert materials and wood processing areas is discharged to a brook via point SW1 after passing through french drains. The oversize materials will be processed on an impermeable surface with sealed drainage. Surface run off will be stored and treated as per the composting activities.

The site is permitted to accept up 305,000 tonnes of biodegradable waste a year and 244,000 tonnes of inert waste. The total quantity of waste in the windrows at any one time is limited to 50,000 cubic metres.

There are 2 Special Areas of Conservation (SAC) sites located within 10 kilometres of the installation. There is 1 Site of Special Scientific Interest (SSSI) located within 5 km of the installation. There are also 8 Local Wildlife Sites (LWS), /Ancient Woodlands (AW), Local Nature Reserves (LNR) within 2 km of the installation.

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 issued 6/H/97/0622	13/11/97	Original licence issued to Jack Moody Limited.
Modification issued 6/H/97/0622 (EAWML 42709)	23/08/00	Delete conditions: A.1, A.4, A.9, C.1, C.2, C.4, C.6, E.7, F.1, F.2, and schedule A. Conditions added: A.13.1, A.13.2, A.14, A.15, C.8, C.9, C.10, E.13.1, E.13.2, F.6.1 and F.6.2
Modification issued EAWML 42709	06/11/03	Table A.13 deleted and replaced with table A.13a In schedule 1.
Modification issued EAWML 42709	04/12/03	Condition for financial provision deleted.
Modification issued EAWML 42709	09/01/07	Deleted tables A13(a) and A.14, and conditions A.14.1, A14.2, B.7, B.8, B.10, E.9 and E.13.2, Replaced with tables A13(b) and A.14(a) and conditions A14.3, A14.4, B.11, B.12, B.13 and E.14 Added new conditions D.6.1 and D.6.2
Environment Agency initiated variation determined EPR/XP3497FV/V002 Previously 6/H/97/0622	29/03/11	Schedule 1 deleted conditions E.4 and E.12 (i), (i), (ii), (iii) Schedule 3 conditions added E.4, E.4.2, E.12, E.12.1, E.12.1.1, E.12.2, E.12.2.1, F.7, F.7.1, F.7.2, F.8, F.8.1, F.8.2, F.8.3, G.1, G.1.1, G.1.2 Schedule 1- Emissions and monitoring Schedule 2 - Reporting Schedule 3 - Notification Schedule 4 – interpretation
Variation application for IED Compliance EPR/XP3497FV/V003	29/09/14	Permit transferred and varied before this variation was determined. New EPR and suffix in table below.
Environment Agency initiated variation determined EPR/XP3497FV/V004	22/06/15	
Environment Agency initiated variation determined EPR/XP3497FV/V005	14/09/15	
Application EPR/DB3601HB/T001 (full transfer of permit EPR/XP3497FV)	Duly made 27/10/15	Application to transfer the permit in full to Hollybush Recycling Limited.
Transfer determined EPR/DB3601HB	16/11/15	Full transfer of permit complete.
Application EPR/DB3601HB/V002 (variation)	Duly made 01/03/16	Application to vary the permit. Specified waste management operations amended to include wood processing and storage pending recovery and associated waste types.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Variation determined EPR/DB3601HB	08/04/16	Varied permit issued.
Application for IED Compliance EPR/DB3601HB/V003 (variation and consolidation)	Duly made 29/09/14	Application to vary the permit to an Installation.
Additional Information	19/12/16	Clarification of site drainage and annual waste throughput
Additional Information	20/02/17	Further clarification of site drainage and location of French drains.
Variation determined EPR/DB3601HB (Billing ref:GP3634RL)	24/04/17	Varied and consolidated permit issued in modern condition format.

End of introductory note

# Notice of variation and consolidation

## The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

### Permit number

**EPR/DB3601HB**

### Issued to

**Hollybush Recycling Limited** (“the operator”)

whose registered office is

**Hollybush Farm  
Warstone Road  
Shareshill  
Wolverhampton  
WV10 7LX**

company registration number 08196722

to operate a regulated facility at

**Hollybush Farm  
Warstone Road  
Shareshill  
Wolverhampton  
WV10 7LX**

to the extent set out in the schedules.

The notice shall take effect from 24/04/2017.

Name	Date
Mike Jenkins	24/04/2017

Authorised on behalf of the Environment Agency

## **Schedule 1**

All conditions have been varied by the consolidated permit 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 2010

### Permit number

**EPR/DB3601HB**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/DB3601HB/V003 authorising,

**Hollybush Recycling Limited** (“the operator”),

whose registered office is

**Hollybush Farm  
Warstone Road  
Shareshill  
Wolverhampton  
WV10 7LX**

company registration number 08196722

to operate installation and waste operations at

**Hollybush Farm  
Warstone Road  
Shareshill  
Wolverhampton  
WV10 7LX**

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

Name	Date
Mike Jenkins	24/04/2017

Authorised on behalf of the Environment Agency

# Conditions

## 1 Management

### 1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
  - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

### 1.2 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A9), the operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
  - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
  - (c) take any further appropriate measures identified by a review.

### 1.3 Efficient use of raw materials

- 1.3.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A9), the operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
  - (b) maintain records of raw materials and water used in the activities;
  - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
  - (d) take any further appropriate measures identified by a review.

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

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
  - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
  - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

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

## **2 Operations**

### **2.1 Permitted activities**

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

### **2.2 The site**

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

### **2.3 Operating techniques**

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 tables S2.2, S2.3, S2.4, S2.5 and S2.6; 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 table S3.1.
- 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 Bioaerosols**

- 3.5.1 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 S3.3.
- 3.5.2 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.

### **3.6 Monitoring**

- 3.6.1 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) bioaerosols monitoring specified in table S3.3;
  - (c) process monitoring specified in table S3.4.
- 3.6.2 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.
- 3.6.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.6.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.6.4 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 table S3.1 unless otherwise agreed in writing by the Environment Agency.

### **3.7 Pests**

- 3.7.1 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.
- 3.7.2 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.

## 3.8 Fire prevention

- 3.8.1 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.
- 3.8.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;
  - (b) implement the fire prevention plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## 4 Information

### 4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
  - (b) be made as soon as reasonably practicable;
  - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
  - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
    - (i) off-site environmental effects; and
    - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

### 4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 For the following activities referenced in schedule 1, table S1.1 (A1 to A9), 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 For the following activities referenced in schedule 1, table S1.1 (A1 to A9), 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 For the following activities referenced in schedule 1, table S1.1 (A10, A11 and A12), the Environment Agency shall be notified without delay following the detection of:
- (a) 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) the breach of a limit specified in the permit; or
  - (c) any significant adverse environmental effects.
- 4.3.4 Any information provided under condition 4.3.3 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

- 4.3.5 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.
- 4.3.6 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:
- (c) any change in the operator's name or address; and
  - (d) any steps taken with a view to the dissolution of the operator.
- In any other case:
- (e) the death of any of the named operators (where the operator consists of more than one named individual);
  - (f) any change in the operator's name(s) or address(es); and
  - (g) 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.
- 4.3.7 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.
- 4.3.8 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 For the following activities referenced in schedule 1, table S1.1 (A1 to A9), 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.
- 4.4.3 For the following activities referenced in schedule 1, table S1.1 (A10, A11 and A12), in this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

# Schedule 1 – Operations

Table S1.1 Activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A1 - IVC Process	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 waste through to composting and recovery of by-products.</p> <p>Composting of waste under aerobic conditions in closed vessels (stage 1) fitted with appropriate odour abatement on an impermeable surface with sealed drainage. Maturation in a windrow (stage 2) outdoors on an impermeable surface with sealed drainage.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p> <p>Total quantity of waste being composted via the IVC process shall not exceed 275 tonnes a day.</p> <p>Total quantity of waste in windrows from the IVC and open windrow processes shall not exceed 50,000 cubic metres at any one time.</p>
A2 – Open Windrow Process	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 waste through to composting and recovery of by-products.</p> <p>Composting of waste under aerobic conditions in outdoor turned windrows on impermeable surface with sealed drainage system.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.3.</p>

<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>
			<p>Total quantity of waste being composted via the open windrow process shall not exceed 288 tonnes a day.</p> <p>Total quantity of waste in windrows from the IVC and open windrow processes shall not exceed 50,000 cubic metres at any one time.</p>
<b>Directly Associated Activity</b>			
A3	Storage of waste pending recovery or disposal	R13: Storage of waste pending the any of the operations numbered R1 to R12 (excluding temporary 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.</p> <p><u>IVC Process</u> Storage of waste in an enclosed building fitted with appropriate odour abatement and on an impermeable surface with sealed drainage</p> <p><u>Open Windrow Process</u> Storage of waste outdoors on an impermeable surface with sealed drainage.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2 and S2.3.</p> <p>Total quantity of untreated biodegradable waste on site shall not exceed 500 tonnes at any one time.</p>
A4	Physical treatment for the purposes of recycling	R3: Recycling/reclamation of organic substances which are not used as solvents	<p>From the receipt of waste to despatch for composting or despatch off site for recovery.</p> <p><u>IVC Process</u> Pre-treatment of waste prior to composting in an enclosed building and on an impermeable surface</p>

<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>
			<p>including shredding and screening.</p> <p>Post-treatment of processed compost outside on an impermeable surface including screening to remove contraries.</p> <p><u>Open Windrow Process</u> Pre-treatment of waste prior to composting outside on an impermeable surface including shredding and screening.</p> <p>Post-treatment of processed compost outside on an impermeable surface including screening to remove contraries.</p> <p>Heat treatment (pasteurisation) for the purpose of recovery.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2 and S2.3.</p>
A5	Raw material storage	Storage of raw materials including lubrication oil, diesel, odour control chemicals, antifreeze.	From the receipt of raw materials to despatch for use within the facility.
A6	Compost storage	Storage of processed compost on an impermeable surface with sealed drainage.	From the receipt of processed compost produced at the facility to despatch for use off-site.
A7	Process water collection and storage	Collection and storage of compost liquor/leachate in the phase 1 tank or site lagoon.	From the receipt of compost leachate produced at the facility to despatch for treatment at the facility or despatch off site for recovery or disposal.

<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>
A8	Surface water collection and storage	Collection and storage of uncontaminated roof and site surface water in impermeably lined lagoon.	From the collection of uncontaminated roof and site surface water from non-operational areas only to re-use within the facility or discharge off-site.
A9	Leachate treatment by Reverse Osmosis	R3: Recycling/reclamation of organic substances which are not used as solvents	Treatment of compost leachate pending re-use on site for windrow moisture content management.
<b>Activity reference</b>	<b>Description of activities for waste operations</b>		<b>Limits of activities</b>
A10: Production of secondary aggregates and soils	<p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R5: Recycling/reclamation of other inorganic compounds</p> <p>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>		<p>Physical treatment including sorting, screening, crushing and blending for the purpose of recovery.</p> <p>Inert waste shall be treated and stored on hard standing or on an impermeable surface with sealed drainage.</p> <p>Waste types as specified in Table S2.4</p>
A11: Production of fuel pellets and biofuel	<p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>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>		<p>Physical treatment including screening, shredding and pelletizing for the purpose of recovery.</p> <p>Treatment and storage of waste on an impermeable surface with sealed drainage.</p> <p>Waste types as specified in Table S2.5 and oversize materials from the composting processes (A1 and A2).</p>
A12: Storage of waste containing Gypsum pending transfer off site for recovery	<p>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>		<p>Storage of waste on an impermeable surface with sealed drainage.</p> <p>Waste types as specified in Table S2.6</p>

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application variation EPR/DB3601HB/V003	Technical standards as detailed in application, Table 3 in Part C3 of the application form and supporting documents.	29/09/14
Application variation EPR/DB3601HB/V003	Odour management plan in response to section 3B, Table 4 – General Requirements, Part C3 of the application form.	29/09/14
Application variation EPR/DB3601HB/V003	Dust management plan in response to section 3B, Table 4 – General Requirements, Part C3 of the application form.	29/09/14
Application variation EPR/DB3601HB/V003	Fire and Accident management plan.	29/09/14
Additional information	Clarification of site drainage and annual waste throughput	19/12/16

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The operator shall submit a revised odour management plan to the Environment Agency for written approval. The plan shall take into account the appropriate measures for odour control specified in section 2.2.6 of Sector Guidance Note IPPC S5.06 – <i>Guidance for the Treatment of Hazardous and Non Hazardous Waste</i> . The plan shall also incorporate all the required detailed information as specified in the Environment Agency’s Horizontal Guidance H4 – <i>Odour Management</i> . The plan must contain dates for implementation of individual measures.	24/07/2017
IC2	The operator shall develop and submit a fire prevention plan to the Environment Agency in writing. The plan shall take into account the required information as specified in the Environment Agency’s technical guidance, Fire prevention plans (dated July 2016). The appropriate measures for fire prevention shall include: <ul style="list-style-type: none"> <li>• the management of storage of feedstock, product and/or waste piles</li> <li>• measures to prevent, detect and contain fires; and</li> <li>• the management of firewaters.</li> </ul> The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the written proposals. The operator shall implement the procedures and measures in accordance with the Environment Agency’s written approval.	24/07/2017
IC3	The operator shall submit a written plan to the Environment Agency for written approval. The plan must contain proposals for the provision of an impermeable concrete surface with sealed drainage for the oversize materials processing area, including construction standards and maintenance measures. The plan must contain timescales for the implementation of the work.	24/10/2017
IC4	The operator shall undertake the works outlined within the plan submitted under Improvement Condition 3 and demonstrate to the Environment Agency for written approval that works have been undertaken in line with the relevant standards.	Within the timescales agreed by the Environment Agency under IC3

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

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
–	–

Table S2.2 Permitted waste types and quantities for composting in closed systems	
Maximum quantity	Annual throughput shall not exceed 50,000 tonnes.
<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>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 straw) only
02 01 07	wastes from forestry (biodegradable 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 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	materials unsuitable for consumption or processing (biodegradable only)
<b>02 04</b>	<b>wastes from sugar processing</b>
02 04 01	soil from cleaning and washing beet
<b>02 05</b>	<b>wastes from the dairy products industry</b>
02 05 01	materials unsuitable for consumption or processing (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)
<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)

<b>Table S2.2 Permitted waste types and quantities for composting in closed systems</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 50,000 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>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 08	wastes from sorting of paper and cardboard destined for recycling
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 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 MFSU of plastics, synthetic rubber and man-made fibres</b>
07 02 13	waste plastic (compostable plastics only, unused and uncontaminated excess production only)
<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>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>Table S2.2 Permitted waste types and quantities for composting in closed systems</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 50,000 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>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 04	digestate from anaerobic treatment of municipal waste (derived from source segregated municipal waste only)
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
<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 this table)
<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 01	mixed municipal waste
20 03 02	waste from markets (biodegradable only)

<b>Table S2.3 Permitted waste types and quantities for composting in open systems</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 161,250 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>- catering waste or other wastes containing animal by-products covered by the Animal By-Products Regulations Except EWC 02 01 06);</li> <li>- wastes that are in a form which is liquid;</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>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 07	wastes from forestry (biodegradable only)
<b>02 04</b>	<b>wastes from sugar processing</b>
02 04 01	soil from cleaning and washing beet
<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 only
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 01	waste bark and wood
03 03 08	wastes from sorting of paper and cardboard destined for recycling
03 03 10	fibre rejects only
<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 (un-dyed and untreated only)
04 02 21	wastes from unprocessed textile fibres
<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 09	textile packaging (made entirely from biodegradable fibres 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>

<b>Table S2.3 Permitted waste types and quantities for composting in open systems</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 161,250 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>- catering waste or other wastes containing animal by-products covered by the Animal By-Products Regulations Except EWC 02 01 06);</li> <li>- wastes that are in a form which is liquid;</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>
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 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 only)
<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 this table)
<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 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 (plant matter only)

<b>Table S2.4 Permitted waste types and quantities for inerts and soils processing</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 239,000 tonnes.</b>
<b>Exclusions</b>	Wastes having any of the following characteristics shall not be accepted: - catering waste or other wastes containing animal by-products covered by the Animal By-Products Regulations Except EWC 02 01 06); - wastes that are in a form which is liquid; - 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>01</b>	<b>Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals</b>
<b>01 03</b>	<b>wastes from physical and chemical processing of metalliferous minerals</b>
01 03 08	dusty and powdery wastes other than those mentioned in 01 03 07
<b>01 04</b>	<b>wastes from physical and chemical processing of non-metalliferous minerals</b>
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
<b>10</b>	<b>Wastes from thermal processes</b>
<b>10 12</b>	<b>wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>
10 12 01	waste preparation mixture before thermal processing
10 12 03	particulates and dust
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
<b>10 13</b>	<b>wastes from manufacture of cement, lime and plaster and articles and products made from them</b>
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 14	waste concrete and concrete sludge
<b>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 01</b>	<b>concrete, bricks, tiles and ceramics</b>
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
<b>17 03</b>	<b>bituminous mixtures, coal tar and tarred products</b>
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
<b>17 05</b>	<b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 08	track ballast other than those mentioned in 17 05 07

<b>Table S2.4 Permitted waste types and quantities for inerts and soils processing</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 239,000 tonnes.</b>
<b>Exclusions</b>	Wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> <li>- catering waste or other wastes containing animal by-products covered by the Animal By-Products Regulations Except EWC 02 01 06);</li> <li>- wastes that are in a form which is liquid;</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>17 09</b>	<b>other construction and demolition wastes</b>
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
<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 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 09	minerals (for example sand, stones)
<b>20</b>	<b>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</b>
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 02	soil and stones
20 02 03	other non-biodegradable wastes

<b>Table S2.5 Permitted waste types and quantities for wood processing</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 93,750 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>- catering waste or other wastes containing animal by-products covered by the Animal By-Products Regulations Except EWC 02 01 06);</li> <li>- wastes that are in a form which is liquid;</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>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 05	sawdust, shavings, cuttings, wood, particle board and veneer 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
<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
<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>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 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 07	wood other than that mentioned in 19 12 06
<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 38	wood other than that mentioned in 20 01 37
<b>20 03</b>	<b>other municipal wastes</b>
20 03 07	bulky waste – wooden items only

<b>Table S2.6 Permitted waste types for storage pending recovery</b>	
<b>Maximum quantity</b>	<b>Annual throughput shall not exceed 5,000 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>- catering waste or other wastes containing animal by-products covered by the Animal By-Products Regulations Except EWC 02 01 06);</li> <li>- wastes that are in a form which is liquid;</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>17</b>	<b>Construction and demolition wastes (including excavated soil from contaminated sites)</b>
<b>17 08</b>	<b>gypsum-based construction material</b>
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01

## Schedule 3 – Emissions and monitoring

<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>
A1, A2, A3 and A4 as shown on the site layout plan, drawing No ST13961-001 in application EPR/DB3601HB/V003	Biofilters A1 – A4	No parameter set	No limit set	--	--	--

<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>
SW1 on site drainage plan in application EPR/DB3601HB/V003 emission to brook (during heavy rainfall only)	Site surface water from inert and clean wood processing areas via attenuation trench (French Drains)	No parameter set	No limit set	--	Weekly	Visual assessment – no visible oil or grease

<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>
Ambient monitoring  Upwind of the operational area, as described in the Technical Guidance Note M9  Downwind of the operational area, as described in the Technical Guidance Note M9	Total bacteria  Aspergillus Fumigatus	1000  500	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.

<b>Table S3.4 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>
Internal for each composting batch during sanitisation stage	Temperature	At least daily	Temperature probe	Monitoring equipment shall be available on site and used as required to maintain aerobic conditions and ensure compliance with this permit. Equipment shall be calibrated on a yearly basis or as agreed in writing by the Environment Agency.
	Moisture	None specified	--	
Internal for each composting batch during stabilisation stage	Temperature	At least weekly	Temperature probe	
	Moisture	None specified	--	
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(s)	Integrity checks	Weekly	Visual assessment	--

## 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
Bioaerosols monitoring Parameters as required by condition 3.5.1	As specified in schedule 3 table S3.3	Quarterly for the first year of operation and twice a year thereafter, unless another frequency is 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

Parameter	Units
Processed compost	tonnes

Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes or m <sup>3</sup>
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes

Media/parameter	Reporting format	Date of form
Bioaerosols	As specified in the Technical Guidance Note M9 or other form as agreed in writing by the Environment Agency	--
Water usage	Form WaterUsage1 or other form as agreed in writing by the Environment Agency	24/04/17
Energy usage	Form Energy1 or other form as agreed in writing by the Environment Agency	24/04/17
Other performance indicators	Form Performance1 or other form as agreed in writing by the Environment Agency	24/04/17
Waste Returns	E-waste Returns Form	--

# 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 2010 No.675 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.

“Industry Standard Protocol” means “A standardised protocol for the monitoring of bioaerosols at open composting facilities” published by the Association for Organics Recycling and developed in conjunction with the Environment Agency.

“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.

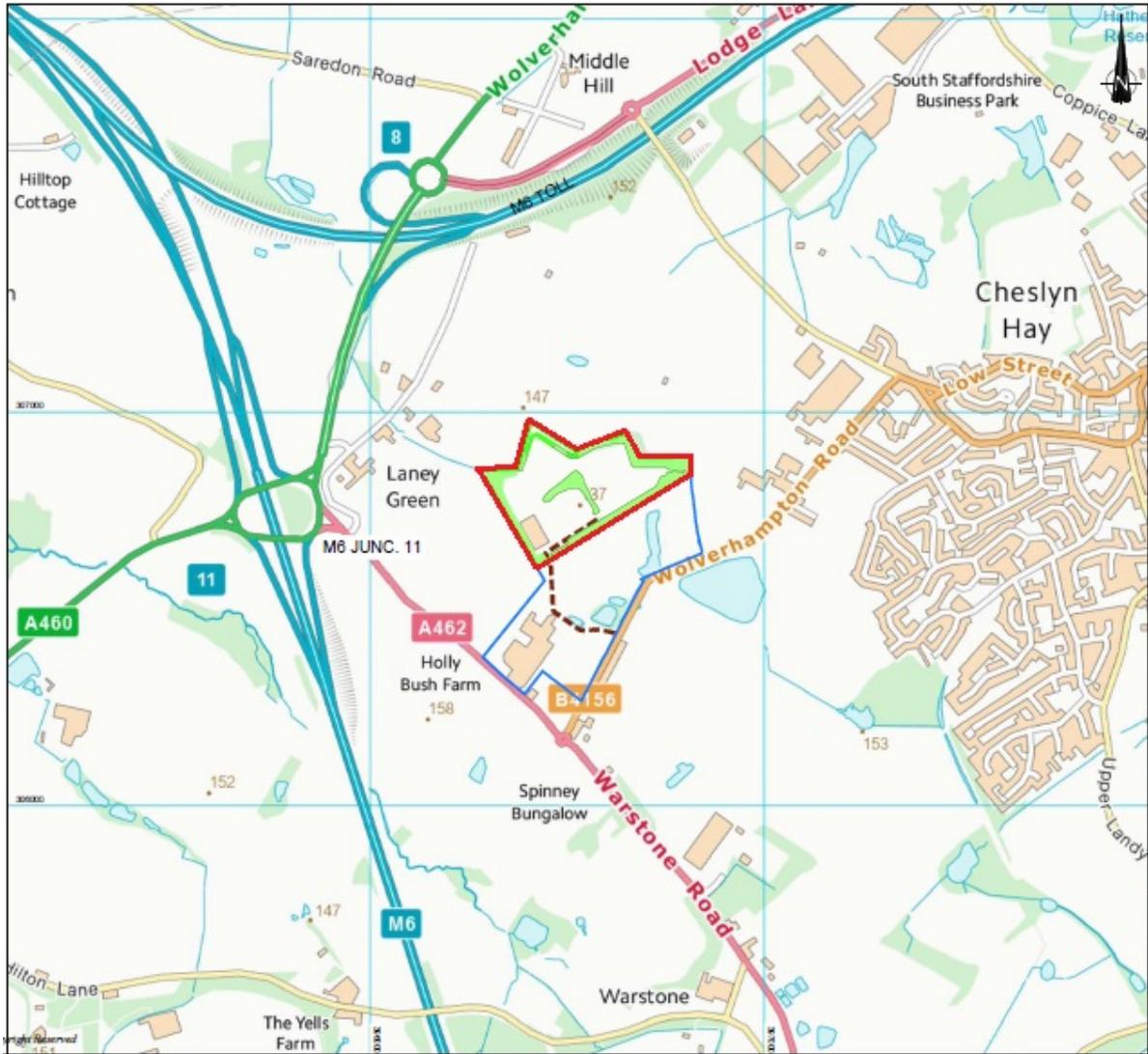
“year” means calendar year ending 31 December.

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 Layout Plan



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END OF PERMIT

**Permit Number: DB3601HB**

**Operator: Hollybush Recycling Limited**

**Facility: Hollybush Farm**

**Form Number: WaterUsage1/24/04/17**

**Reporting of Water Usage for the year**

<b>Water Source</b>	<b>Usage (m<sup>3</sup>/year)</b>	<b>Specific Usage (m<sup>3</sup>/unit output)</b>
Mains water		
Site borehole		
River abstraction		
<b>TOTAL WATER USAGE</b>		

Operator's comments:

Signed .....

Date.....

(authorised to sign as representative of Operator)

**Permit Number: DB3601HB**

**Operator: Hollybush Recycling Limited**

**Facility: Hollybush Farm**

**Form Number: Energy1/24/04/17**

**Reporting of Energy Usage for the year**

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh		
Natural Gas	MWh		
Biogas	MWh		
Gas Oil	tonnes		
Recovered Fuel Oil	tonnes		
<b>TOTAL</b>	-		

\* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

Signed .....

Date.....

(Authorised to sign as representative of Operator)

**Permit Number: DB3601HB**

**Operator: Hollybush Recycling Limited**

**Facility: Hollybush Farm**

**Form Number: Performance1/24/04/17**

**Reporting of other performance indicators for the period \_\_\_\_\_ to \_\_\_\_\_**

Parameter	Units
Total raw material used	tonnes

Operator's comments:

Signed .....

Date.....

(Authorised to sign as representative of Operator)