

# Notice of variation and consolidation with introductory note

**The Environmental Permitting (England & Wales) Regulations 2010**

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Veolia ES West Berkshire Limited

Padworth Integrated Waste Management Facility

Padworth Sidings

Padworth Lane

Lower Padworth

West Berkshire

RG7 4HY

**Variation application number**

EPR/KP3694VW/V002

**Permit number**

EPR/KP3694VW

# **Padworth Integrated Waste Management Facility**

## **Permit number EPR/KP3694VW**

### **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 part of this facility from a waste operation to an IED Installation.

This integrated waste management facility is located at Lower Padworth, West Berkshire, centred at NGR SU 60618 67369, and processes household and municipal waste by means of; in-vessel composting (IVC), material recovery facility (MRF), waste transfer station (WTS) and a household waste recycling centre (HWRC).

The HWRC and MRF operate under standard rule permits SR2008No13 and SR2008No14 respectively.

The IVC and WTS are subject to bespoke conditions.

The IVC has a daily treatment capacity of greater than 75 tonnes per day for the purpose of recovery involving biological treatment. As part of this variation, under the IED changes described above, this part of the facility is moving from a waste operation to an installation activity (S5.4 A(1) (b)(i)) with directly associated activities (DAA). Only non-hazardous waste can be accepted for composting.

IVC takes place in a building with a sealed drainage system. A biofilter is required to abate odours with a point source emission limit value included within the permit. Process monitoring and bioaerosol monitoring requirements are also set out in this permit. The bioaerosol monitoring frequency has reduced to twice a year as agreed in writing by the Environment Agency on 19/08/2015. Leachate from the IVC building is collected and recirculated where possible, with excess leachate being discharged to foul sewer. There is no discharge of leachate to water or land.

The WTS will remain a waste operation. Extra limitations have been added to ensure that the WTS operations stay below the thresholds under IED for S5.3 A(1) (a)(ii) and (iii), S5.4 A(1) (b)(iv) and S5.6 A(1) (a). The WTS can accept 4 hazardous wastes, as described in Schedule 2 of this permit variation. Asbestos waste must be bonded.

Surface water from operational areas is discharged to foul sewer. All surface water from non-operational areas is discharged to either the ponds or soakaway as detailed on the site drainage plan.

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>
Application received EPR/KP3694VW/A001 (EAWML101833)	Duly made 20/08/2010	
Additional information received	06/12/2010	
Additional information received	06/01/2011	
Permit determined EPR/KP3694VW	17/03/2011	Permit issued to Veolia ES West Berkshire Limited.
Application EPR/KP3694VW/V002 (variation and consolidation)	Duly made 09/09/2014	Application to vary and update the permit to modern conditions and reflect changes under IED.
Additional information received	16/04/2015	Schedule 5 response; updated drainage plan, OPRA and declaration.
Variation determined EPR/KP3694VW/V002 (Billing ref: SP3832WD)	19/11/2015	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/KP3694VW**

#### Issued to

**Veolia ES West Berkshire Limited** ("the operator")

whose registered office is

**210 Pentonville Road  
London  
N1 9JY**

company registration number 06256562

to operate a regulated facility at

**Padworth Integrated Waste Management Facility  
Padworth Sidings  
Padworth Lane  
Lower Padworth  
West Berkshire  
RG7 4HY**

to the extent set out in the schedules.

The notice shall take effect from 19/11/2015

Name	Date
Rebecca Warren	19/11/2015

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/KP3694VW**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/KP3694VW/V002 authorising,

**Veolia ES West Berkshire Limited** ("the operator"),

whose registered office is

**210 Pentonville Road**

**London**

**N1 9JY**

company registration number 06256562

to operate an installation and waste operations at

**Padworth Integrated Waste Management Facility**

**Padworth Sidings**

**Padworth Lane**

**Lower Padworth**

**West Berkshire**

**RG7 4HY**

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

Under regulation 27(2) of the Regulations, standard rules **SR2008No13** and **SR2008No14** are conditions of this permit.

Name	Date
Rebecca Warren	19/11/2015

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 A7) 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 A7) the operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
  - (b) maintain records of raw materials and water used in the activities;
  - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
  - (d) take any further appropriate measures identified by a review.

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

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

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

## **2 Operations**

### **2.1 Permitted activities**

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

### **2.2 The site**

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

### **2.3 Operating techniques**

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

#### **WEEE storage**

- 2.3.7 The storage (including temporary storage) of WEEE shall be carried out in accordance with the technical requirements of Annex VIII of the WEEE Directive.



## **Hazardous waste storage and treatment**

- 2.3.8 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by Schedule 1 table S1.1 and appropriate measures taken.

## **2.4 Improvement programme**

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

## **3 Emissions and monitoring**

### **3.1 Emissions to water, air or land**

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.3 and S3.4.
- 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 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

### **3.3 Odour**

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The emission from the biofilter stack, A1, shall not exceed 2,800 odour units.

### **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, S3.3 and S3.4;
- (b) ambient air monitoring specified in table S3.2;
- (c) process monitoring specified in table S3.5;
- (d) bioaerosols monitoring specified in table S3.6.

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.3 and S3.4 unless otherwise agreed in writing by the Environment Agency.

### 3.6 Pests

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

3.6.2 The operator shall:

- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **3.7 Fire prevention**

- 3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.
- 3.7.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;
  - (b) implement the fire prevention plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **4 Information**

### **4.1 Records**

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

### **4.2 Reporting**

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 For the following activities referenced in schedule 1, table S1.1 (A1 to A7) 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 A7) 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 (A8), 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 A7) 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 (A8), 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 In-vessel Composting Facility	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 composting reactors or in closed vessels/buildings fitted with appropriate odour abatement.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>
<b>Directly Associated Activity</b>			
A2	Storage of waste pending recovery	R13: Storage of waste pending the R3 operation (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>Storage of waste in an enclosed building fitted with appropriate odour abatement and on an impermeable surface with sealed drainage.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>
A3	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>Pre-treatment of waste prior to composting in an enclosed building and on an impermeable surface including shredding and screening.</p> <p>Maturation of waste shall take place in windrows located within the building.</p> <p>Post-treatment of processed compost in an enclosed building and on an impermeable surface including screening to remove contraries.</p> <p>Waste types suitable for acceptance</p>

<b>Table S1.1 Activities</b>			
			are limited to those specified in Table S2.2.
A4	Raw material storage	Storage of raw materials including lubrication oil, antifreeze.	From the receipt of raw materials to despatch for use within the facility.
A5	Compost storage	Storage of processed compost in an enclosed building fitted with appropriate odour abatement and on an impermeable surface.	From the receipt of processed compost produced at the facility to despatch for use off-site.
A6	Process water collection and storage	Collection and storage of compost liquor/leachate and site surface water from operational areas in 1 storage tank	From the receipt of compost leachate produced at the facility and surface water from operational areas to despatch for treatment at the facility or despatch off site for recovery or disposal. Process waters can also be discharged to sewer.
A7	Surface water collection and storage	Collection and storage of uncontaminated roof and site surface water from non-operational areas in 1 storage tank and 3 ponds.	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.
<b>Activity reference</b>	<b>Description of activities for waste operations</b>		<b>Limits of activities</b>
A8 Waste Transfer Station	<p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced).</p> <p>D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12.</p> <p>D14: Repackaging prior to submission to any of the operations numbered D1 to 13.</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>R3: Recycling/reclamation of organic substances which are not used as solvents.</p> <p>R4: Recycling/reclamation of metals and metal compounds.</p> <p>R5: Recycling/reclamation of other inorganic compounds.</p>		<p>Treatment consisting only of manual sorting, separation, screening, baling, shredding, crushing or compaction of non-hazardous waste into different components for disposal (no more than 50 tonnes per day) or recovery.</p> <p>There shall be no treatment in shredders of metal waste, including WEEE or ELVs and their components.</p> <p>No more than a total of 50 tonnes of intact and shredded waste vehicle tyres (waste code 19 12 04) shall be stored at the site.</p> <p>The capacity of the site for hazardous waste subject to an R5 activity shall not exceed 10 tonnes per day.</p> <p>The storage (including temporary storage) of WEEE shall be carried out in accordance with the technical requirements of Annex VIII of the WEEE Directive.</p> <p>Temporary storage of hazardous waste shall not exceed 50 tonnes pending any of the activities listed in Part A (1) Section 5.1, 5.2, 5.3 of the EP Regulations.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.3.</p>

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	Responses to section 3 – operating techniques, Parts B4 of the application form.	27/07/10
Application	Odour management plan reference OMP1 in response to section 5B, Table 3 – General Requirements, Part B of the application form	27/07/10
Application	Fugitive Release Management Plan	27/07/10
Application	Bioaerosol Risk Assessment; Table 5-4; and Section 6.	06/01/11
Application	Noise Report; sections 4.5.9 and 4.6.	27/07/10

<b>Table 1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC1	<p>Submit a revised written odour management plan to the Environment Agency for approval. The odour management plan must 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.</p> <p>You must implement the plan as approved, and from the date stipulated by the Environment Agency.</p>	20/02/2016
IC2	The operator shall submit revised written procedures to the Environment Agency for approval to meet all the relevant BAT requirements for the in-vessel composting facility detailed in Sector Guidance Note IPPC S5.06 – <i>Guidance for the Treatment of Hazardous and Non Hazardous Waste</i> . The procedures must contain dates for implementation of individual measures.	20/02/2016



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

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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Table S2.2 Permitted waste types and quantities for In-Vessel Composting Facility	
<b>Maximum quantity</b>	Annual throughput shall not exceed <b>35,000 tonnes</b> .
<b>Exclusions</b>	<b>Wastes having any of the following characteristics shall not be accepted:</b> <ul style="list-style-type: none"> <li>– consisting solely or mainly of dusts (except sawdust), powders, or loose fibres</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 02	Animal tissue waste
02 01 03	Plant-tissue waste
02 01 06	Animal faeces, urine and manure (including spoiled straw)
02 01 07	Wastes from forestry (comprising wood and plant tissue)
<b>02 02</b>	<b>wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 02	Animal tissue waste (may include animal blood)
02 02 03	Shells from shellfish processing (where all the flesh has been removed)
02 02 99	Horse manure, farmyard manure and bedding
<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 (other than those containing hazardous substances)
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
<b>02 05</b>	<b>wastes from the dairy products industry</b>
02 05 01	Biodegradable materials unsuitable for consumption or processing (other than those containing hazardous substances)
02 05 02	Sludges from on-site effluent treatment

<b>Table S2.2 Permitted waste types and quantities for In-Vessel Composting Facility</b>	
<b>Maximum quantity</b>	Annual throughput shall not exceed <b>35,000 tonnes</b> .
<b>Exclusions</b>	<b>Wastes having any of the following characteristics shall not be accepted:</b> <ul style="list-style-type: none"> <li>– consisting solely or mainly of dusts (except sawdust), powders, or loose fibres</li> <li>– hazardous wastes</li> </ul>
<b>Waste code</b>	<b>Description</b>
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
02 06 01	Biodegradable materials unsuitable for consumption or processing (other than those containing hazardous substances)
02 06 03	Sludges from on-site effluent treatment
<b>02 07</b>	<b>wastes from the production of alcoholic and non-alcoholic beverages (except coffee tea and cocoa)</b>
02 07 01	Spent grains or hops
02 07 02	Whisky filter sheets or cloths
02 07 04	Materials unsuitable for consumption or processing
02 07 05	Sludges from on-site effluent treatment
<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, wood, particle board and veneer other than those containing hazardous substances other than 03 01 04. NO VENEERS OR PRESERVATIVES
<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 (not containing hazardous substances)
<b>04</b>	<b>Wastes from the leather fur and textile industries</b>
<b>04 02</b>	<b>waste from the textile industry</b>
04 02 10	Organic and natural products (un-dyed and untreated)
<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 not containing veneers or plastic coated
15 01 03	Wooden packaging (untreated)
15 01 05	Composite packaging (only biodegradable organic packaging)
15 01 09	Textile packaging (only entirely natural fibres)
<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>soils (excluding excavated soils from contaminated site), stones and dredging spoil</b>
17 05 06	Dewatered dredging spoil and plant tissue waste from inland waters, not containing Japanese Knotweed

<b>Table S2.2 Permitted waste types and quantities for In-Vessel Composting Facility</b>	
<b>Maximum quantity</b>	Annual throughput shall not exceed <b>35,000 tonnes</b> .
<b>Exclusions</b>	<b>Wastes having any of the following characteristics shall not be accepted:</b> <ul style="list-style-type: none"> <li>– <b>consisting solely or mainly of dusts (except sawdust), powders, or loose fibres</b></li> <li>– <b>hazardous wastes</b></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 preparation of water intended for human consumption/industrial use</b>
<b>19 05</b>	<b>wastes from aerobic treatment of solid wastes</b>
19 05 03	Off-specification compost (only from a process operated according to PAS 100 and QP requirements or another approved standard)
<b>19 06</b>	<b>waste from the anaerobic treatment of waste</b>
19 06 03	Liquor from anaerobic treatment of municipal waste (source segregated municipal waste only)
19 06 04	Digestate from anaerobic treatment of municipal waste (source segregated municipal waste only)
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>waste from waste water treatment plants</b>
19 08 05	Sludges from treatment of urban waste water
<b>19 12</b>	<b>wastes from the mechanical treatment of wastes</b>
19 12 01	Paper and cardboard
19 12 07	Wood other than wood containing hazardous substances
<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 (where no non-biodegradable coating or preserving substance present)
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 (where no non-biodegradable coating or preserving substance present)
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	Biodegradable waste (comprising wood and plant tissue)
<b>20 03</b>	<b>other municipal wastes</b>
20 03 02	Biodegradable waste from markets

<b>Table S2.3 Permitted waste types and quantities for waste transfer station facility</b>	
<b>Maximum quantity</b>	Annual throughput shall not exceed <b>50,000 tonnes</b> .
<b>Exclusions</b>	<b>Wastes having any of the following characteristics shall not be accepted:</b> – <b>consisting solely or mainly of dusts (except sawdust), powders, or loose fibres</b>
<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
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 01	Waste bark and wood
03 03 07	Mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	Wastes from sorting of paper and cardboard destined for recycling
03 03 10	Fibre rejects (not containing hazardous substances)
<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 not containing veneers or plastic coated
15 01 02	Plastic packaging
15 01 03	Wooden packaging
15 01 04	Metallic packaging
15 01 05	Composite packaging
15 01 06	Mixed packaging
15 01 07	Glass packaging
15 01 09	Textile packaging (only entirely natural fibres)
<b>16</b>	<b>Wastes not otherwise specified in the list</b>
<b>16 02</b>	<b>wastes from electrical and electronic equipment</b>
16 02 14	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	Components removed from discarded equipment other than those mentioned in 16 02 15
<b>16 05</b>	<b>gases in pressure containers and discarded chemicals</b>
16 05 05	Gases in pressure containers other than those mentioned in 16 05 04
<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>Table S2.3 Permitted waste types and quantities for waste transfer station facility</b>	
<b>Maximum quantity</b>	Annual throughput shall not exceed <b>50,000 tonnes</b> .
<b>Exclusions</b>	<b>Wastes having any of the following characteristics shall not be accepted:</b> – <b>consisting solely or mainly of dusts (except sawdust), powders, or loose fibres</b>
<b>Waste code</b>	<b>Description</b>
<b>17 02</b>	<b>wood, glass and plastic</b>
17 02 01	Wood
17 02 02	Glass
17 02 03	Plastic
<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 04</b>	<b>metals (including their alloys)</b>
17 04 01	Copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc
17 04 05	Iron and steel
17 04 06	Tin
17 04 07	Mixed metals
17 04 11	Cables other than those mentioned in 17 04 10
<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>17 06</b>	<b>insulation materials and asbestos-containing construction materials</b>
17 06 01*	Insulation materials containing asbestos (bonded)
17 06 04	Insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 06 05*	Construction materials containing asbestos (bonded)
<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
<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 05</b>	<b>wastes from the aerobic treatment of solid wastes</b>
19 05 01	Non-composted fraction of municipal and similar waste
19 05 02	Non-composted fraction of animal and vegetable waste

<b>Table S2.3 Permitted waste types and quantities for waste transfer station facility</b>	
<b>Maximum quantity</b>	Annual throughput shall not exceed <b>50,000 tonnes</b> .
<b>Exclusions</b>	<b>Wastes having any of the following characteristics shall not be accepted:</b> – <b>consisting solely or mainly of dusts (except sawdust), powders, or loose fibres</b>
<b>Waste code</b>	<b>Description</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 01	Paper and cardboard
19 12 02	Ferrous metal
19 12 03	Non-ferrous metal
19 12 04	Plastic and rubber
19 12 05	Glass
19 12 07	Wood other than that mentioned in 19 12 06
19 12 08	Textiles
19 12 09	Minerals (for example sand, stones)
19 12 10	Combustible waste (refuse derived fuel)
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
<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</b>
20 01 01	Paper and cardboard
20 01 02	Glass
20 01 08	Biodegradable kitchen and canteen waste
20 01 10	Clothes
20 01 11	Textiles
20 01 23*	Discarded equipment containing chlorofluorocarbons
20 01 34	Batteries and accumulators other than those mentioned in 20 01 33
20 01 35*	Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23
20 01 36	Discarded electrical and electronic equipment other than those mentioned in 20 01 12, 20 01 23 and 20 01 35.
20 01 38	Wood other than that mentioned in 20 01 37
20 01 39	Plastics
20 01 40	Metals
20 01 41	Wastes from chimney sweeping

Table S2.3 Permitted waste types and quantities for waste transfer station facility	
Maximum quantity	Annual throughput shall not exceed <b>50,000 tonnes</b> .
Exclusions	Wastes having any of the following characteristics shall not be accepted: – consisting solely or mainly of dusts (except sawdust), powders, or loose fibres
Waste code	Description
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	Biodegradable waste
20 02 02	Soil and stones
20 02 03	Other non-biodegradable wastes
<b>20 03</b>	<b>other municipal wastes</b>
20 03 01	Mixed municipal waste
20 03 02	Waste from markets
20 03 03	Street-cleaning residues
20 03 07	Bulky waste

## Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 Biofilter stack	Biofilter Stack, emitting treated air from in-vessel composting	Odour Concentration	2,800 $\text{OU}_E/\text{m}^3$	3 samples at 30 minutes each	Annually unless otherwise agreed with the Environment Agency	Sampled in accordance with EA TGN M2 [manual extractive sampling]  Analysed by DDO to BS EN 13725

Table S3.2 Ambient air monitoring requirements				
Location or description of point of measurement	Parameter	Monitoring Frequency	Monitoring standard or method	Other specifications
Site boundary (minimum 4 locations)	Sniff test protocol	Daily	No limit set	--

Table S3.3 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 Discharge to surface water attenuation ponds as shown on drawing 124 Rev C6, submitted 16/04/15 with application EPR/KP3694VW/V002	Uncontaminated site surface water from roofs and non-operational areas which has been discharged through an interceptor	No parameter set	No limit set	--	--	--
W2 Discharge to groundwater soakaway as shown on drawing 124 Rev C6, submitted 16/04/15 with application EPR/KP3694VW/V002	Uncontaminated site surface water from roofs and non-operational areas which has been discharged through an interceptor	No parameter set	No limit set	--	--	--



**Table S3.4 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements**

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
W3 Discharge to foul sewer as shown on drawing 124 Rev C6, submitted 16/04/15 with application EPR/KP3694VW/V002	In-vessel composting leachate and site surface water from operational areas which has been discharged through an interceptor	No parameter set	No limit set	--	--	--

**Table S3.5 Process monitoring requirements**

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
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.
	Moisture	None specified	--	
Internal for each composting batch during stabilisation stage	Temperature	At least weekly	Temperature probe	Equipment shall be calibrated on a 4 monthly basis or as agreed in writing by the Environment Agency.
	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	--

Table S3.6 Bioaerosol monitoring requirements					
Location or description of point of measurement	Parameter	Bioaerosol threshold limits (CFU m <sup>-3</sup> )	Monitoring frequency	Monitoring standard or method	Other specifications
At a minimum of 3 separate locations, as described in the Industry Standard Protocol	Gram-negative bacteria	300	Quarterly or every 6 months as agreed in writing with the Environment Agency.	In accordance with the Industry Standard Protocol, and, for gram-negative bacteria, together with the Environment Agency's "Guidance on the evaluation of bioaerosol risk assessments for composting facilities".	As described in the Industry Standard Protocol, including all the additional data requirements specified therein.
	Total bacteria	1000			
	Aspergillus Fumigatus	500			

## 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	Annually, unless otherwise requested by the Agency in writing.	1 January
Bioaerosol monitoring Parameters as required by condition 3.5.1	As specified in the Standardised Protocol and in agreement with the Environment Agency	Every 3 months or as agreed in writing by the Environment Agency	1 January, 1 April, 1 July, 1 October

<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
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	19/11/2015
Bioaerosols	As specified in the Industry Standard Protocol 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	19/11/2015
Energy usage	Form Energy Usage 1 or other form as agreed in writing by the Environment Agency	19/11/2015
Other performance indicators	Form Performance 1 or other form as agreed in writing by the Environment Agency	19/11/2015
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.

“Annex II” means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“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.

“bioaerosol threshold limits” means the maximum acceptable bioaerosol concentrations at the nearest sensitive receptor, or at an equivalent distance downwind of the composting operations, which are attributable to the composting operations. The maximum acceptable concentrations are respectively 300, 1000 and 500 CFU m<sup>-3</sup> for gram-negative bacteria, 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.

“ELV” means end-of-life vehicle.

“End-of-Life Vehicles Directive” means Directive 2000/53/EC of the European Parliament and Council of 18 September 2000 on end-of-life vehicles.

“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.

“hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 No.894, the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No. 1820 (W.148).

“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.

“maturation” means a stage when by agitating and turning the compost it no longer results in reheating and the monitored temperature falls to ambient without the compost being too dry or anaerobic. Phytotoxins that are formed during the 'active' composting phase are metabolised by micro-organisms, which will result in the final material not being harmful to plants. This usually coincides with drop in pH toward neutral, and the

“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 venner).

“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.

“WEEE” means waste electrical and electronic equipment.

“WEEE Directive” means Directive 2012/19/EU of the European Parliament and of the Council of 4th July 2012 on waste electrical and electronic equipment (WEEE).

“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.

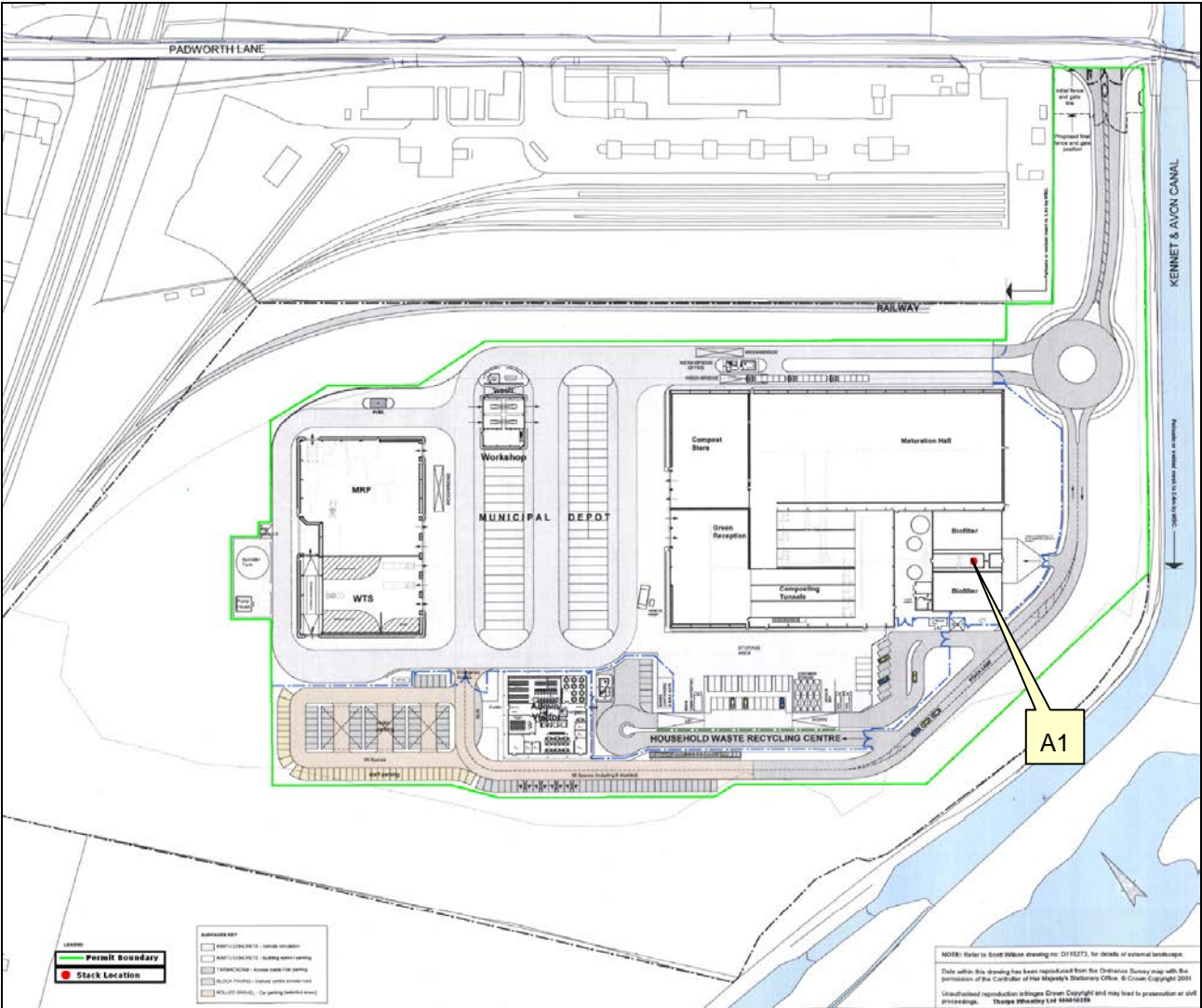
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- 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

This is the plan referred to in condition 2.2.1, standard rules SR2008No.13 and SR2008No.14.



END OF PERMIT



**Permit Number: KP3694VW**

**Operator: Veolia ES West Berkshire Limited**

**Facility: Padworth Integrated Waste Management Facility**

**Form Number: WaterUsage1/19/11/2015**

**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: KP3694VW**

**Operator: Veolia ES West Berkshire Limited**

**Facility: Padworth Integrated Waste Management Facility**

**Form Number: EnergyUsage1/ 19/11/2015**

**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: KP3694VW**

**Operator: Veolia ES West Berkshire Limited**

**Facility: Padworth Integrated Waste Management Facility**

**Form Number: Performance1/ 19/11/2015**

**Reporting of other performance indicators for the period DD/MM/YYYY to DD/MM/YYYY**

Parameter	Units
Total raw material used	tonnes

Operator's comments:

Signed .....

Date.....

(Authorised to sign as representative of Operator)

**Permit Number: KP3694VW**

**Operator: Veolia ES West Berkshire Limited**

**Facility: Padworth Integrated Waste Management Facility**

**Form Number: Air1/ 19/11/2015**

**Reporting of emissions to air for the period from DD/MM/YYYY to DD/MM/YYYY**

Emission Point	Substance/Parameter	Emission Limit Value	Reference Period	Result [1]	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A1	Biofilter stack, emitting treated air from in-vessel composting/Odour concentration	2,800 $\text{OU}_E/\text{m}^3$	3 samples at 30 minutes each				

1. The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
2. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
3. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
4. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....

Date.....

(Authorised to sign as representative of Operator)