

# Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

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Shanks Waste Management Limited

Bolton Road Waste Treatment and  
Renewable Energy Facility  
Bolton Road  
Manvers  
Wath-upon-Deerne  
South Yorkshire  
S63 2LL

Permit number  
EPR/FB3339RS

Variation number  
EPR/FB3339RS/V002

# Bolton Road Waste Treatment and Renewable Energy Facility

## Permit number EPR/FP3339RS

### Introductory note

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

The following notice gives notice of the variation of an environmental permit.

The effect of the variation is to vary the permitted activities as a result of the changes introduced by the Environmental Permitting (England and Wales) Regulations 2010 that implemented the Industrial Emissions Directive (IED). The regulated activities now comprise two installations and not a waste operation and a standard rules waste operation as permitted by the original permit.

In addition, the operator has applied to make changes to the bunding for the percolate tank. An assessment was made using Best Available Techniques (as described in BAT conclusions under Directive 2010/75/EU of the European Parliament) for the waste storage requirements since the percolate tank is constructed as an integral part of the AD building and cannot be bunded.

The schedules specify the changes made to the original permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

#### Status log of the permit

Description	Date	Comments
Application EPR/RP3537FX/A001	Duly made 07/12/11	Application for a mechanical biological treatment plant (bespoke waste permit) and an anaerobic digestion facility (standard rules permit)
Additional information received	25/01/12	Confirmation that applicant can meet Standard Rules criteria for anaerobic digestion facility
New EPR number assigned EPR/FB3339RS/A001	27/02/12	
Additional information received	30/03/12	Modelling files relating to Air Quality, Odour and Noise assessments
Additional information received	11/04/12	Plan showing noise monitoring locations
Additional information received	17/04/12	Amended B2 form
Additional information received	15/05/12	Planning permission

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Schedule 5 notice issued	01/06/12	Questions relating to underground storage tanks
Additional information received	27/06/12	Amended Standard Rules site plan submitted – boundary with green line.
Schedule 5 response received	28/06/12	Response to questions relating to underground storage tanks
Additional information received	03/07/12	Amended Permit Report submitted
Permit determined	03/10/12	Permit issued to Shanks Waste Management Limited
Application to vary EPR/FP3339RS/V002	Duly made 29/01/14	Application to update permit to comply with Industrial Emmissions Directive (IED) and to change the bunding arrangement for the percolate tank
Variation determined EPR/FP3339RS/V002 (Billing ref AB3435VQ)	21/05/14	Varied permit issued

End of introductory note

## Notice of variation

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

**Permit number  
EPR/FP3339RS**

issued to:

**Shanks Waste Management Limited** (“the operator”),

whose registered office is

**Dunedin House  
Auckland Park  
Milton Keynes  
Buckinghamshire  
MK1 1BU**

company registration number **2393309**

to operate installations at

**Bolton Road Waste Treatment and Renewable Energy  
Facility  
Bolton Road  
Manvers  
Wath-upon-Dearne  
South Yorkshire  
S63 2LL**

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

Name	Date
Alan Whitley	21/05/14

Authorised on behalf of the Environment Agency

**Schedule 1 – conditions to be deleted**

The following conditions are deleted as a result of the application made by the operator:

All the conditions

**Schedule 2 – conditions to be amended**

None

### **Schedule 3 – conditions to be added**

The following conditions are added as a result of the application made by the operator:

## **Conditions**

### **1 Management**

#### **1.1 General management**

1.1.1 The operator shall manage and operate the activities:

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

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

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

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

#### **1.2 Energy efficiency**

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

#### **1.3 Efficient use of raw materials**

1.3.1 The operator shall:

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

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

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
  - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
  - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

## **2 Operations**

### **2.1 Permitted activities**

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

### **2.2 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 (a) 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.
- (b) 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.
- 2.3.2 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2, tables S2.1 and S2.2; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.

- 2.3.3 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.
- 2.3.4 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 improvement specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

## **2.5 Pre-operational conditions**

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4 have been completed.

# **3 Emissions and monitoring**

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

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 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 Monitoring**

- 3.4.1 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) bioaerosol monitoring specified in table S3.3; and
  - (c) process monitoring specified in table S3.4.
- 3.4.2 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.
- 3.4.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.4.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.4.4 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.

## **3.5 Noise and vibration**

3.5.1 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.

3.5.2 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.

## **3.6 Pests**

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

3.6.2 The operator shall:

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

# **4 Information**

## **4.1 Records**

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

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

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

## 4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
  - (b) the annual production /treatment data set out in schedule 4 table S4.2; and
  - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
  - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

## 4.3 Notifications

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

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

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

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

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

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

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

4.3.5 In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.6 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.

- 4.3.7 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.8 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;
  - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
  - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

## **4.4 Interpretation**

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “without delay”, in which case it may be provided by telephone.

# Schedule 1 - Operations

**Table S1.1 activities**

<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
A1	S5.4 A(1)(b)(i) Biological treatment	Bio-drying for the purpose of recovery of non-hazardous waste. R3 - Recycling/reclamation of organic substances which are not used as solvents.	Receipt, handling and storage of waste to delivery to refinement activity (A2) Wastes as listed in table S2.1. In ITS Building as shown on Site Layout drawing reference Figure 2.
A2	5.4 A(1)(b)(ii) pre-treatment of waste for incineration or co-incineration	Refinement of waste which includes screening, crushing, separating, compacting, baling, shredding and pelletising for the purpose of producing fuel. R4 - Recycling/reclamation of metals and metal compounds R5 - Recycling/reclamation of other inorganic materials	Receipt of waste from activity A1, handling and storage of recovered materials and fuel. In ITS Building as shown on Site Layout drawing reference Figure 2.
A3	S5.4 A(1)(b)(i) Biological treatment	Treatment of non-hazardous waste by Anaerobic Digestion for the purpose of recovery. R3 - Recycling/reclamation of organic substances which are not used as solvents.	Receipt, handling, storage and treatment of waste in Wastes as listed in table S2.2 In building labelled "Fines Composting" as shown on Site Layout drawing reference Figure 2.
<b>Directly Associated Activity</b>			
A4	Composting	R3 - Recycling/reclamation of organic substances which are not used as solvents.	6 x Aerated Static piles with a maximum throughput capacity of 67 tonnes per day. Associated with Activity A3.
A5	Heat treatment	Pasteurisation	2 x Pasteurisation tunnels with a maximum throughput capacity of 200 tonnes per day. Associated with Activity A3.

**Table S1.1 activities**

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
A6	Burning of waste as a fuel	Combustion of biogas in one combined heat and power (CHP) engine with a thermal input of 500 kW R1- Use principally as a fuel to generate energy	From the receipt of biogas produced on-site from Activity A3 to combustion via CHP engine with the release of combustion gases.
A7	Storage	R13 - Storage of waste pending any of the operations numbered R1 to R12	Storage of recovered materials from Activity A2

**Table S1.2 Operating techniques**

Description	Parts	Date Received
Application	Part B4, Table 3a of the application document – technical standards. How to comply with your Environmental Permit.	07/12/11
Application	Non Technical Summary in Permit Report dated November 2011.	07/12/11
Application	Air Quality Assessment Report dated November 2011.	07/12/11
Application	Fly Management Plan – Bolton Road Waste Treatment and Renewable Energy Facility.	07/12/11
Part 1 of response to Schedule 5 Notice dated 01/06/12	Response to question 1 detailing underground storage tanks.	28/06/12
Part 2 of response to Schedule 5 Notice dated 01/06/12	Response to question 2 detailing surface water emissions.	28/06/12
Variation Application FB3339RS/V002	Best available techniques as described in BAT conclusions under Directive 2010/75/EU of the European Parliament for the waste storage requirements. Variation Letter detailing the waste storage requirements and other matters where the detailed design proposals differ to information submitted with the original application	09/01/14
Variation Letter dated: 09/01/14		
Additional information: Guidance for the Recovery and Disposal of Hazardous and Non Hazardous Waste S5.06 FB3339RS/V002 Request for information – email dated 16/04/14	Response confirming that operations are in accordance with IPPC S5.06: Guidance for the recovery and disposal of hazardous and non-hazardous waste	16/04/14

**Table S1.3 Improvement programme requirements**

Reference	Requirement	Date
1	The operator shall submit a Site Condition Report in writing that is in accordance with the Environment Agency's revised H5 and RGN 9 guidance documents and shall undertake a systematic appraisal of the risk of contamination.	6 months from the date of issue of variation

**Table S1.4 Pre-operational measures**

<b>Reference</b>	<b>Pre-operational measures</b>
PO1	<p>Prior to the commencement of operations, the operator shall submit to the Environment Agency for approval an Odour Management Plan (OMP), having regard to the Environment Agency's H4 Odour Management Guidance and Environment Agency comments on the OMP received with the Application.</p> <p>The approved Odour Management Plan shall be implemented as agreed in writing by the Environment Agency.</p>
PO2	<p>No operations shall commence until background sampling of bioaerosols has been undertaken to understand the level of bioaerosols before site activity. This sampling shall be as agreed in writing with the Environment Agency.</p>
PO3	<p>Prior to the commencement of operations, the operator shall submit to the Environment Agency further information relating to the noise impact assessment as requested in an email to Mouchel dated 20/06/12.</p>
PO4	<p>Prior to the commencement of operations, the operator shall submit to the Environment Agency evidence of technical competence as outlined in section 1.11.7 of the permit report dated November 2011.</p>



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

**Table S2.1 Permitted waste types and quantities for activity A1**

<b>Maximum quantity</b>	265,000 tonnes per year
<b>Exclusions</b>	Wastes consisting of the following characteristics shall not be accepted: Hazardous wastes Wastes consisting solely or mainly of dusts, powders or loose fibres Animal By-Products contaminated material – unless the plant has been approved by the competent authority (Animal Health)
<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 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
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)</b>
<b>20 01</b>	<b>Separately collected fractions (except 15 01)</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 25	Edible oil and fat
20 01 28	Paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 30	Detergents other than those mentioned in 20 01 29
20 01 32	Medicines other than those mentioned in 20 01 31
20 01 34	Batteries and accumulators other than those mentioned in 20 01 33
20 01 36	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 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
<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 waste
<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 04	Septic tank sludge
20 03 06	Waste from sewage cleaning
20 03 07	Bulky waste

**Table S2.2 Permitted waste types and quantities for activity A3**

<b>Maximum quantity</b>	75,000 tonnes per year
<b>Exclusions</b>	The maximum throughput of animal wastes shall be less than 10 tonnes per day.  Any wastes controlled by the Animal By-Products Regulations <sup>1</sup> must be treated and handled in accordance with any requirements imposed by those Regulations.
<b>Waste code</b>	<b>Description</b>
<b>02</b>	<b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>
<b>02 01</b>	<b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 01	sludges from washing and cleaning
02 01 02	animal-tissue waste
02 01 03	plant-tissue waste
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 01 07	wastes from forestry
02 01 99	Residues from commercial mushroom
<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
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
02 02 04	sludges from on-site effluent treatment
02 02 99	wastes not otherwise specified
<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
02 03 05	sludges from on-site effluent treatment
02 03 99	wastes not otherwise specified
<b>02 04</b>	<b>wastes from sugar processing</b>
02 04 03	sludges from on-site effluent treatment
02 04 99	wastes not otherwise specified
<b>02 05</b>	<b>wastes from the dairy products industry</b>
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
02 06 01	materials unsuitable for consumption or processing
02 06 03	sludges from on-site effluent treatment
<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

**Table S2.2 Permitted waste types and quantities for activity A3**

<b>Maximum quantity</b>	75,000 tonnes per year
<b>Exclusions</b>	The maximum throughput of animal wastes shall be less than 10 tonnes per day.  Any wastes controlled by the Animal By-Products Regulations <sup>1</sup> must be treated and handled in accordance with any requirements imposed by those Regulations.
<b>Waste code</b>	<b>Description</b>
02 07 02	wastes from spirits distillation
02 07 04	materials unsuitable for consumption or processing
02 07 99	wastes not otherwise specified
<b>03</b>	<b>WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD</b>
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 02	green liquor sludge (from recovery of cooking liquor)
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
<b>04</b>	<b>WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES</b>
<b>04 01</b>	<b>wastes from the leather and fur industry</b>
04 01 01	fleshings and lime split wastes
04 01 05	tanning liquor free of chromium
04 01 06	sludges, in particular from on-site effluent treatment containing chromium
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
<b>04 02</b>	<b>wastes from the textile industry</b>
04 02 10	organic matter from natural products (for example grease, wax)
<b>07</b>	<b>WASTES FROM ORGANIC CHEMICAL PROCESSES</b>
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic
<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
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 05	composite packaging
<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 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
<b>19 05</b>	<b>wastes from aerobic treatment of solid wastes</b>
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
<b>19 06</b>	<b>wastes from anaerobic treatment of waste</b>
19 06 03	liquor from anaerobic treatment of municipal waste
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste

**Table S2.2 Permitted waste types and quantities for activity A3**

<b>Maximum quantity</b>	75,000 tonnes per year
<b>Exclusions</b>	The maximum throughput of animal wastes shall be less than 10 tonnes per day.  Any wastes controlled by the Animal By-Products Regulations <sup>1</sup> must be treated and handled in accordance with any requirements imposed by those Regulations.
<b>Waste code</b>	<b>Description</b>
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
<b>19 08</b>	<b>wastes from waste water treatment plants not otherwise specified</b>
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 12	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 (except 15 01)</b>
20 01 01	paper and cardboard
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
<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

## Schedule 3 – Emissions and monitoring

**Table S3.1 Point source emissions to air – emission limits and monitoring requirements**

Emission point ref.	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A2a on Emission Point Location Plan in Schedule 7]	Particulate matter	Baghouse stack	10 mg/m <sup>3</sup>	Determined in accordance with BS EN 13284-1	Quarterly	BS EN 13284-1
A2 [Point A2b on Emission Point Location Plan in Schedule 7]	Particulate matter	Baghouse stack	10 mg/m <sup>3</sup>	Determined in accordance with BS EN 13284-1	Quarterly	BS EN 13284-1

**Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements**

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
SW1 As shown on drawing reference Figure 4, Schedule 7 – site plan	No parameters set	Yard and roof drainage	No limit set	--	--	--

**Table S3.3 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
Minimum of three locations up and down wind of site chosen in accordance with 'Standardised Protocol for the Monitoring of Bioaerosols at Open Composting Facilities'	Gram-negative bacteria	300	Quarterly	In accordance with 'Standardised Protocol for the Monitoring of Bioaerosols at Open Composting Facilities'	As described in 'Standardised Protocol for the Monitoring of Bioaerosols at Open Composting Facilities' and 'Guidance on the evaluation of bioaerosol risk assessments for composting facilities'
	Total bacteria	1000	This will be reviewed after the first year and may be reduced to bi-annually, annually or removed if agreed in writing by the Environment Agency.		
	Aspergillus Fumigatus	500			

**Table S3.4 Process monitoring requirements**

Monitoring point	Substance or parameter	Monitoring frequency	Monitoring method	Other specifications
Biofilter	Temperature, moisture and thatching/compaction	As required	Thermocouple probe and moisture meter or touch test	Biofilters should be checked and maintained to ensure appropriate temperature and moisture content on a daily basis

## Schedule 4 - Reporting

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

**Table S4.1 Reporting of monitoring data**

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.4.1.	A1, A2.	Every 3 months or as agreed in writing by the Environment Agency.	1 January, 1 April, 1 July, 1 October
Bioaerosol monitoring as required by Condition 3.4.1.	As specified in the Industry Standard Protocol	Every 3 months or as agreed in writing by the Environment Agency.	1 January, 1 April, 1 July, 1 October

**Table S4.2: Annual production/treatment**

	Units
-	-

**Table S4.3 Performance parameters**

Parameter	Frequency of assessment	Units
CHP gas engine usage	Annually	hours

**Table S4.4 Reporting forms**

Media/parameter	Reporting format	Date
Emissions to air	Form air 1 or other form as agreed in writing by the Environment Agency.	14/12/2011
Bioaerosol monitoring	As specified in the Industry Standard Protocol, Form air 1 or other form as agreed in writing by the Environment Agency.	14/12/2011
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	14/12/2011

# Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

## Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

<b>(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution</b>	
<b>To be notified within 24 hours of detection</b>	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

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



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

<b>(c) Notification requirements for the 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.	

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* authorised to sign on behalf of the operator

## Schedule 6 - Interpretation

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

*“anaerobic digestion”* means a process of controlled decomposition of biodegradable materials under managed conditions where free oxygen is absent, at temperatures suitable for naturally occurring mesophilic or thermophilic anaerobe and facultative anaerobe bacteria species, which convert the inputs to a methane-rich biogas and whole digestate.

*“animal waste”* means any waste consisting of animal matter that has not been processed into food for human consumption.

*“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.

*“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.

*“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 or background concentration 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 property”* has the meaning given in Schedule 3 of the Hazardous Waste (England and Wales) Regulations 2005 No.894 and the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138).

*“H5”* means the Site condition report – guidance and templates document for when a site condition report (SCR) is required for any facility we regulate under the Environmental Permitting Regulations where there may be a significant risk to land or groundwater including where one is necessary to satisfy requirements of the Industrial Emissions Directive (IED). So this applies to both new applications and existing operations.

*“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*.

"year" means calendar year ending 31 December.

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

"R" means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

"RGN 9" means Regulatory Guidance Note, RGN 9: Surrender. Guidance on how land and groundwater should be protected at permitted facilities.

"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.

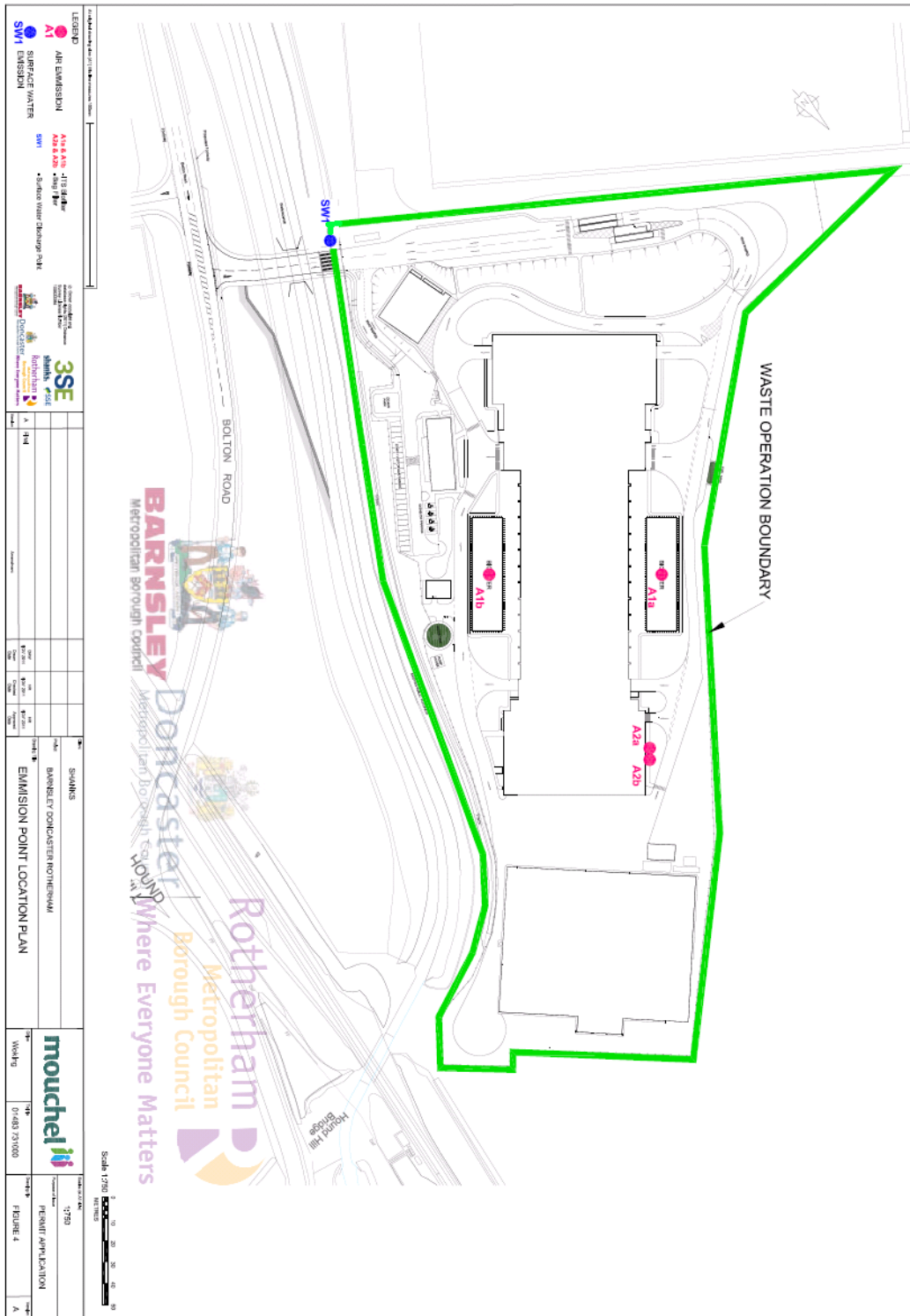
"Waste Framework Directive" or "WFD" means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

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:

- (a) 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
- (b) 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



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