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Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Global Renewables Lancashire
Operations Limited

Leyland Waste Treatment Facility
Off Enterprise Drive
Enterprise Drive
Leyland Enterprise Park
Leyland
Lancashire
PR26 6TB

Variation application number
EPR/EP3397EA/V004

Permit number
EPR/EP3397EA

Leyland Waste Treatment Facility

Permit number EPR/EP3397EA

Introductory note

This introductory note does not form a part of the permit

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 main features of the permit are as follows. This permit allows the operator to operate a mechanical and biological waste treatment facility that includes the transfer of waste at the specified location.

The facility is located on the Lancashire Business Park on the northern side of Leyland. The nearest residential properties are to the west, 90m from the site boundary. The rest of the site is bordered by open countryside and light industrial/commercial premises. The National Grid Reference for the site is SD 53740 23788.

The site accepts recyclable materials from households, green waste and residual municipal waste.

Mixed recyclable materials from households are accepted and mechanically separated in the materials recycling facility before being transferred off site.

Residual municipal wastes collected by local authorities are received and subjected to mechanical treatment to remove any additional recyclable materials.

Residual waste from the mechanical treatment process goes to the percolation stage, where water is percolated through the wastes to remove soluble organic matter, or directly to composting.

This solution undergoes anaerobic digestion, producing biogas which is then used to generate electricity. The remaining wastewater effluent (together with waste water from the rest of the process) is treated, stored or reused in the process before being tankered off site or discharged to sewer.

Following the percolation stage any remaining solid material is composted within a building.

Green/ kitchen waste is also composted in a separate building to the household waste.

The composting processes are kept under negative pressure, air from within the building is passed through a biofilter or a regenerative thermal oxidiser before being discharged to air.

Waste inputs are limited to non-hazardous and inert wastes and do not include hazardous wastes such as asbestos. Non organic wastes of similar types will be transferred into larger containers and sent to other waste facilities for further treatment, recovery or disposal. Wastes can be bulked up for disposal or recovery elsewhere and also can be treated by sorting, separation, screening, crushing and compaction.

This permit does not allow the burning of any solid waste, either in the open, inside buildings or in any form of incinerator.

This variation formalises the raising of the original stack heights of the biofilter exhausts (from 12.65m to 25m) and the addition of a regenerative thermal oxidiser into the building air handling system.

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

Status log of the permit		
Description	Date	Comments
Application EAWML54469 issued [EPR/EP3397EA]	28/03/07	
Transfer of EPR/EP3397EA to Global Renewables Lancashire Operations Limited.	25/09/09	
Application EPR/EP3397EA/V002	Duly Made 21/01/10	
Additional information received	25/03/10 10/05/10	
Variation EPR/EP3397EA/V002 issued	24/06/10	
Agency variation determined EPR/EP3397EA/V003	28/05/13	Agency variation to implement the changes introduced by IED
Variation EPR/EP3397EA/V004 (variation and consolidation)	Duly Made 19/08/13	Application to vary and update the permit to modern conditions.
Additional information received	18/12/13	Revised odour management plan.
Variation determined EPR/EP3397EA/V004 (Billing ref. XP3236NC)	XX/XX/14	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/ EP3397EA

issued to
Global Renewables Lancashire Operations Limited (“the operator”),

whose registered office is

Environmental Education Centre
Lancashire Waste Technology Park
Sustainability Way
Leyland
Lancashire
PR26 6TB

company registration number **05881147**

to operate a regulated facility at

Leyland Waste Treatment Facility
Off Enterprise Drive
Lancashire Enterprise Park
Leyland
Lancashire
PR26 6TB

to the extent set out in the schedules.

The notice shall take effect from **[DD/MM/YYYY]**

Name

Date

[name of authorised person]

[DD/MM/YYYY]

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.

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Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/EP3397EA

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/EP3397EA/V004 authorising,

Global Renewables Lancashire Operations Limited (“the operator”),
whose registered office is

**Environmental Education Centre
Lancashire Waste Technology Park
Sustainability Way
Leyland
Lancashire
PR21 6TB**

company registration number **05881147**

to operate a regulated facility at

**Leyland Waste Treatment Facility
Off Enterprise drive
Lancashire Enterprise Park
Leyland
Lancashire
PR26 6TS**

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

Name	Date
<i>[name of authorised person]</i>	<i>[DD/MM/YYYY]</i>

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 A10). 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 A10). 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) For the following activities referenced in schedule 1, table S1.1 (A1 to A10). 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 table S2.2 and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 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 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

- (a) the nature of the process producing the waste;
- (b) the composition of the waste;
- (c) the handling requirements of the waste;
- (d) the hazardous property associated with the waste, if applicable; and
- (e) the waste code of the waste.

2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 table S3.1.

3.1.2 The limits given in schedule 3 shall not be exceeded.

3.1.3 For the following activities referenced in schedule 1, table S1.1 (A1 to A10). 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.

3.3.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
- (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

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;
- (b) ambient air monitoring specified in table S3.2.

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 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, hazard or annoyance 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 For the following activities referenced in schedule 1, table S1.1 (A1 to A10). 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 one 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) For the following activities referenced in schedule 1, table S1.1 (A1 to A10). 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 [(a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit,] shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (a) any change in the operator's name or address; and
 - (b) any steps taken with a view to the dissolution of the operator.
- In any other case:
- (a) the death of any of the named operators (where the operator consists of more than one named individual);
 - (b) any change in the operator's name(s) or address(es); and
 - (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.
- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (d) the Environment Agency shall be notified at least 14 days before making the change; and
 - (a) the notification shall contain a description of the proposed change in operation.
- 4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.7 For the following activities referenced in schedule 1, table S1.1 (A10 to A13). 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.

4.3.8 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.

4.4 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.

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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	S5.4 A(1)(b)(i) Recovery of non hazardous waste with a capacity exceeding 75 tonnes per day by biological treatment.	Biological treatment of solid residual waste from the Mechanical Biological treatment process - Organic Growth Media (OGM) composting process. R3: Recycling/reclamation of organic substances which are not used as solvents.	The air extraction system that maintains the negative pressure shall be fitted with scrubbers and biofilters. The foul air from composting shall be treated by the scrubbers and the Regenerative Thermal Oxidiser (RTO). Waste types as specified in Table S2.2.
A2	S5.4 A(1)(b)(i) Recovery of non hazardous waste with a capacity exceeding 75 tonnes per day by biological treatment.	Biological treatment of solid residual waste from the Mechanical Biological treatment process - Greenwaste composting process. R3: Recycling/reclamation of organic substances which are not used as solvents.	The air extraction system that maintains the negative pressure shall be fitted with scrubbers and biofilters. Waste types as specified in Table S2.2.
A3	S5.4 A(1)(b)(i) Recovery of non hazardous waste with a capacity exceeding 75 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion).	Biological treatment of solid residual waste from the Mechanical Biological treatment process - Percolation and Anaerobic Digestion – Digester 1 process. R3: Recycling/reclamation of organic substances which are not used as solvents.	The air extraction system that maintains the negative pressure shall be fitted with scrubbers and a biofilter. Waste types as specified in Table S2.2.
A4	S5.4 A(1)(b)(i) Recovery of non hazardous waste with a capacity exceeding 75 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion).	Biological treatment of solid residual waste from the Mechanical Biological treatment process - Percolation and Anaerobic Digestion – Digester 2 process. R3: Recycling/reclamation of organic substances which are not used as solvents.	The air extraction system that maintains the negative pressure shall be fitted with scrubbers and a biofilter. Waste types as specified in Table S2.2.

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
Directly Associated Activity			
A5	Biogas combustion	Combustion of biogas in 2 combined heat and power (CHP) engines with an aggregated thermal input of 4 MWth. R1: Use principally as a fuel to generate energy.	From the receipt of biogas produced at the on-site anaerobic digestion process to combustion via CHP engines with the release of combustion gases.
A6	Removal of hydrogen sulphide and recovery of sulphur from the biogas	R5: Recycling/reclamation of other inorganic materials and R7: Recovery of components used for pollution abatement	From the anaerobic digesters to the CHP engines, system is sealed apart from air contactor from which foul air is vented directly to the scrubbers and biofilters
A7	The storage of biogas	R13: Storage of waste pending any of the operations numbered R1 to R13	From receipt of biogas from anaerobic digestion to gas holder delivery into the compressor.
A8	Emergency flare operation	Use of an auxiliary flare required only for periods of breakdown or maintenance of the CHP engines. D10: Incineration on land	From the receipt of biogas produced on-site to incineration with the release of combustion gases.
A9	Combustion of odourous compounds	Combustion of odourous compounds in a Regenerative Thermal Oxidiser consisting of twin side-by-side oxidisers.	From the receipt of odourous air to the release of treated exhaust gases.

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
A10	Treatment of residual municipal waste	<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 materials.</p>	<p>Areas 100, 200, 300, 400 & 500 as shown in Schedule 7 of this notice.</p> <p>Physical treatment consisting only of manual sorting, separation, screening, crushing or compaction of non-hazardous waste into different components for recovery.</p> <p>Treatment of non-hazardous waste shall be carried out within a building that is maintained under negative pressure and provided with an impermeable surface and sealed drainage.</p> <p>The air extraction system that maintains negative pressure shall be fitted with scrubbers and a biofilter.</p>
Description of activities for waste operations		Limits of activities	
A11	<p>Transfer and storage of recyclable materials</p> <p>R13: Storage of wastes pending any of the operations R1 to R12 (excluding temporary storage, pending collection, on the site where it was produced).</p>	<p>All bulking or transfer on non-hazardous waste shall be carried out within a building that is kept under negative pressure and provided with an impermeable surface and sealed drainage.</p> <p>Storage of non-hazardous wastes shall be within a building that is maintained under negative pressure and provided with an impermeable surface and sealed drainage.</p> <p>The air extraction system that maintains the negative pressure shall be fitted with scrubbers and a biofilter.</p>	

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
A12	Materials Recycling Facility – storage R13: Storage of wastes pending any of the operations R1 to R12 (excluding temporary storage, pending collection, on the site where it was produced).		All waste shall be stored within a building that is maintained under negative pressure and provided with an impermeable surface and sealed drainage. The air extraction system that maintains negative pressure shall be fitted with scrubbers and a biofilter. No waste shall be stored on site for longer than 3 days, prior to treatment, unless otherwise agreed in writing with the Agency.
A13	Materials Recycling Facility – treatment R3: Recycling/reclamation of organic substances which are not used as solvents. R4: Recycling/reclamation of metals and metal compounds. R5: Recycling/reclamation of other inorganic materials.		Area 600 as shown in Schedule 7 of this notice. Physical treatment consisting only of manual sorting, separation, screening, crushing or compaction of non-hazardous waste into different components for recovery. Waste shall be treated within a building that is maintained under negative pressure and provided with an impermeable surface and sealed drainage. The air extraction system that maintains negative pressure shall be fitted with scrubbers and a biofilter.

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	Part C Table 4	21/12/09
Working Plan	Version 4	25/03/10
BAT – GRLOL (operator) compliance document	All sections	22/01/10
Variation Application	Supplementary information Section 2 Techniques for Pollution Control Supplementary information Section 3 Managing the new Activities Supplementary information Section 4 Operating techniques	19/08/13

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	<p>The Operator shall monitor emissions of Oxides of Nitrogen (NO_x); Carbon monoxide (CO); Sulphur dioxide (SO₂); Total volatile organic compounds including methane (VOCs) and Non methane volatile organic compounds (NMVOCs) from emission point A6 and A7 following commissioning.</p> <p>The Operator shall use the above monitoring results to carry out an environmental impact assessment that evaluates the potential impact of monitored parameters. The initial assessment shall be carried out using the Agency's 'H1 Environmental Assessment and Appraisal of BAT' tool (or other equivalent assessment tool agreed with the Agency).</p> <p>An electronic copy of the H1 assessment (or other equivalent assessment tool) shall be submitted to the Agency.</p> <p>Detailed air dispersion modelling shall be undertaken where this is required by the results of the initial H1 assessment.</p> <p>The results of the modelling shall be submitted to the Agency in a written report.</p> <p>Where any potential pollutant is identified as being released in significant quantities and / or above the benchmark values, a report shall be submitted to the Agency that proposes appropriate emission limit values and further on-going monitoring, having due regard to the fate of the substance. The report shall also contain a review of appropriate measures to assess whether further abatement or other improvements are necessary in order to reduce the concentration / quantity of that emission.</p> <p>Where further on-going monitoring, abatement or other improvements are proposed the report shall include an implementation timetable.</p>	Completed
IC2	<p>The Operator shall undertake a noise assessment in accordance with the procedures given in BS4142: 1997 (Rating industrial noise affecting mixed residential and industrial areas) and BS7445: 2003 (Description and measurement of environmental noise) or other methodology as agreed with the Agency. Any noise source(s) identified as exhibiting tonal contributions shall be quantified by means of frequency analysis. Noise measurements shall be undertaken by an experienced and suitably qualified person. On completion of the assessment, a copy of the survey shall be submitted to the Agency in the form of a report, with an interpretation of the results and conclusions and recommendations drawn.</p>	Completed

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC3	<p>Submit a written noise management plan to the Environment Agency for approval.</p> <p>The plan must contain the results of a noise assessment of the impact of the current operating conditions on receptors beyond the site boundary.</p> <p>The plan must include (but not be limited to):</p> <ul style="list-style-type: none"> - confirmation that the noise assessment was undertaken in accordance with the procedures given in BS4142:1997 and BS7445:2003; - proposals to address any issues that arise from the noise assessment ; - dates for the implementation of any necessary improvement measures. <p>The operator shall comply with the plan as approved by the Environment Agency.</p>	<p><i>Date to be inserted that is 2 months from date of issue</i></p> <p>From the date of Environment Agency written approval of the plan.</p>
IC4	<p>Submit a written plan to the Environment Agency for approval.</p> <p>The plan must include (but not be limited to):</p> <ul style="list-style-type: none"> - the results of monitoring emissions of Sulphur Dioxide from emission point A23 on at least 3 separate days and whilst the scrubber pH is within the target range with both RTO1&2 burners on; - an electronic copy of an environmental impact assessment (using the Environment Agency's 'H1 Environmental Assessment and Appraisal of BAT' tool (or other equivalent assessment tool agreed with the Environment Agency) that evaluates the potential impact of measured Sulphur Dioxide; - if required by the results of the initial environmental impact assessment, the results of detailed air dispersion modelling; - where Sulphur Dioxide is identified as being released in significant quantities and / or above the benchmark value, proposed appropriate emission limit values and a commitment to further on-going monitoring, having due regard to the fate of the substance; - a review of appropriate measures to assess whether further abatement or other improvements are necessary in order to reduce the concentration / quantity of Sulphur Dioxide emissions; - where further on-going monitoring, abatement or other improvements are proposed, an implementation timetable. <p>The operator shall comply with the plan as approved by the Environment Agency</p>	<p><i>Date to be inserted is 4 months from the date of issue</i></p> <p>From the date of Environment Agency written approval of the plan.</p>

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels

Raw materials and fuel description	Specification
Lubricating Oil	None
Ethylene Glycol (anti-freeze)	None
Sulphuric Acid	None
Defoamer	None
Ferric Chloride	None
Flocculent Powder	None
Proprietary Reagent	None
Sodium Hypochlorite	None
Acetic acid	None
Sodium Hydroxide	None
Citric acid	None
Nitric Acid	None

Table S2.2 Permitted waste types and quantities for the Green waste composting and anaerobic digestion

Maximum quantity	The wastes listed below shall not exceed 304,800 tonnes per annum
Exclusions	Notwithstanding the specification of waste types below, wastes shall not be accepted at the site which have any of the following characteristics: <ul style="list-style-type: none"> • Consisting solely or mainly of dusts, powders or loose fibres • Sludges (except for local authority gully and street cleaning wastes) • Liquids • Drummed wastes • Hazardous wastes • Wastes containing Japanese Knotweed • Animal By-Products Regulations contaminated material – unless the plant has been approved by the competent authority, which in England is the State Veterinary Service and in Wales is the National Assembly for Wales.

Waste code	Description
19	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.
19 05	Wastes from anaerobic treatment of solid wastes
19 05 01	Non-composted fraction of municipal and similar waste
19 05 02	Non-composted fraction of animal and vegetable waste
19 05 03	Off specification compost
19 12	Wastes from the mechanical treatment of waste (e.g. sorting, crushing, compacting, pelletising) not otherwise specified
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned 19 12 11
19 13	Waste from soil and groundwater remediation
19 13 02	Solid wastes from soil remediation other than those mentioned in 19 13 01
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	Separately collected fractions (except 15 01)
20 01 01	Paper and cardboard
20 01 02	Glass

Table S2.2 Permitted waste types and quantities for the Green waste composting and anaerobic digestion

Maximum quantity	The wastes listed below shall not exceed 304,800 tonnes per annum
Exclusions	<p>Notwithstanding the specification of waste types below, wastes shall not be accepted at the site which have any of the following characteristics:</p> <ul style="list-style-type: none"> • Consisting solely or mainly of dusts, powders or loose fibres • Sludges (except for local authority gully and street cleaning wastes) • Liquids • Drummed wastes • Hazardous wastes • Wastes containing Japanese Knotweed • Animal By-Products Regulations contaminated material – unless the plant has been approved by the competent authority, which in England is the State Veterinary Service and in Wales is the National Assembly for Wales.
Waste code	Description
20 01 08	Biodegradable kitchen and canteen waste
20 01 10	Clothes
20 01 11	Textiles
20 01 38	Wood other than that mentioned in 20 01 37
20 01 39	Plastics
20 01 40	Metals
20 02	Garden and parks wastes (including cemetery waste)
20 02 01	Biodegradable waste
20 02 02	Soil and stones
20 02 03	Other non-biodegradable waste
20 03	Other municipal wastes
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	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 – OGM Biofilter Stack 1 (shown on drawing no. 4054-D000-09-121-036)	Total bacteria	OGM Compost	5000 cfu/m ³	8 hour average	Quarterly	In accordance with Agency guidance: M2 Monitoring of stack emissions to air. Unless otherwise agreed with the Agency & see Note 1 below regarding BS13725.
	Total fungi	Hall	5000 cfu/m ³	1 hour average	Quarterly	
	Odour		No Limit Set		Monthly	
A2 – OGM Biofilter Stack 2 (shown on drawing no. 4054-D000-09-121-036)	Total bacteria	OGM Compost	5000 cfu/m ³	8 hour average	Quarterly	In accordance with Agency guidance: M2 Monitoring of stack emissions to air. Unless otherwise agreed with the Agency & see Note 1 BS13725.
	Total fungi	Hall	5000 cfu/m ³	1 hour average	Quarterly	
	Odour		No Limit Set		Monthly	
A3 – OGM Biofilter Stack 3 (shown on drawing no. 4054-D000-09-121-036)	Total bacteria	OGM Compost	5000 cfu/m ³	8 hour average	Quarterly	In accordance with Agency guidance: M2 Monitoring of stack emissions to air. Unless otherwise agreed with the Agency & see Note 1 BS13725.
	Total fungi	Hall	5000 cfu/m ³	1 hour average	Quarterly	
	Odour		No Limit Set		Monthly	
A4 – GW Biofilter Stack 1 (shown on	Total bacteria	Green Waste	5000 cfu/m ³	8 hour average	Quarterly	In accordance with Agency guidance: M2
	Total fungi	Compost Hall	5000 cfu/m ³	1 hour average	Quarterly	

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

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
drawing no. 4054-D000-09-121-036)	Odour		No Limit Set		Monthly	Monitoring of stack emissions to air. Unless otherwise agreed with the Agency & see Note 1 BS13725.
A5 – GW Biofilter Stack 2 (shown on drawing no. 4054-D000-09-121-036)	Total bacteria	Green Waste	5000 cfu/m ³	8 hour average	Quarterly	In accordance with Agency guidance: M2 Monitoring of stack emissions to air. Unless otherwise agreed with the Agency & see Note 1 BS13725.
	Total fungi	Compost Hall	5000 cfu/m ³	1 hour average	Quarterly	
	Odour		No Limit Set		Monthly	
A6 – Gen Set Exhaust Stack 1 (shown on drawing no. 4054-D000-09-121-036)	Oxides of Nitrogen (NO _x)	CHP Plant	500 mg/m ³	Hourly mean	On commissioning and annually	In accordance with Agency guidance: M2 Monitoring of stack emissions to air. Unless otherwise agreed with the Agency.
	Carbon Monoxide (CO)		1400 mg/m ³			
	Sulphur Dioxide (SO ₂)		350 mg/m ³			
	Total volatile organic compounds including methane (VOCs)		1000 mg/m ³			
A7 – Gen Set Exhaust Stack 2 (shown on drawing no. 4054-D000-09-121-036)	Oxides of Nitrogen (NO _x)	CHP Plant	500 mg/m ³	Hourly mean	On commissioning and annually	In accordance with Agency guidance: M2 Monitoring of stack emissions to air. Unless otherwise agreed with the Agency.
	Carbon Monoxide (CO)		1400 mg/m ³			
	Sulphur Dioxide (SO ₂)		350 mg/m ³			
	Total volatile organic compounds including methane (VOCs)		1000 mg/m ³			

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

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A8 – Water heater flue assembly	-	Water heater	-	-	-	-
A9 – Digester 1 Pressure relief valve	-	Digester 1	-	-	-	-
A10 – Digester 2 Pressure relief valve	-	Digester 2	-	-	-	-
A11 – Digester 1 Barometric leg	-	Digester 1	-	-	-	-
A12 – Digester 2 Barometric leg	-	Digester 2	-	-	-	-
A13 – Biogas Flare Stack (shown on drawing no. 4054-D000-09-121-036)	Oxides of Nitrogen (NO _x) Carbon Monoxide (CO) Total volatile organic compounds including methane (VOCs) Operational temperature	Biogas flare	150 mg/m ³ 50 mg/m ³ 10 mg/m ³ >1000°C	Hourly mean	Annually ^{Note 2}	In accordance with Agency guidance: M2 Monitoring of stack emissions to air. Unless otherwise agreed with the Agency.
A14 – Biogas storage tank membrane pressure relief valve	-	Biogas storage tank	-	-	-	-
A15 - Biogas storage tank membrane pressure relief valve	-	Biogas storage tank	-	-	-	-
A16 – Biogas storage condensate pot discharge line barometric leg	-	Biogas storage	-	-	-	-

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

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A17 - Biogas storage condensate pot discharge line barometric leg	-	Biogas storage	-	-	-	-
A18 – Biogas blower intake condensate knock out pot barometric leg	-	Biogas blower	-	-	-	-
A19 – Biogas common feed line out pot barometric leg	-	Biogas common feed line	-	-	-	-
A20 – Biogas de-sulphurisation common line knock out pot barometric leg	-	Biogas de-sulphurisation	-	-	-	-
A21 – Gas Analyser 1	-	Biogas	-	-	-	-
A22 – Gas Analyser 2	-	Biogas	-	-	-	-
A23 – RTO Stack (shown on drawing no. 28042/C/CV D/001/X)	Ammonia (NH ₃)	RTO	20 mg/m ³	30 min	Continuously	EN14181
			10 mg/m ³	24 hour		
	Carbon Monoxide (CO)		100 mg/m ³	30 min		
			50 mg/m ³	24 hour		
	Oxides of Nitrogen (NO _x)		400 mg/m ³	30 min		
			200 mg/m ³	24 hour		
	Non methane volatile organic compounds (NMVOCs)		20 mg/m ³	30 min		
			10 mg/m ³	24 hour		
	Odour		No limit set		Quarterly	BS13725

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

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
	Sulphur Dioxide		To be set by EA following completion of IC4		To be set by EA following completion of IC4	In accordance with Agency guidance: M2 Monitoring of stack emissions to air. Unless otherwise agreed with the Agency.

Note 1: Certification to the MCERTS performance standards indicates compliance with BS EN 15267-3

Note 2: Annual monitoring for the flare, A13, is only required when the flare operates in excess of 10% of the time, taken on an annual assessment period.

Table S3.2 Ambient air monitoring requirements

Location or description of point of measurement	Parameter	Limit (including units and reference period) ^{Note 1}	Monitoring frequency	Monitoring standard or method
Upwind of the boundary of the operational area at 50m or as close to as practical.	Gram-negative bacteria	No limits set	Quarterly for the first year of operation and then twice a year unless otherwise agreed in writing by the Environment Agency	In accordance with "A standardised protocol for the monitoring of bioaerosols at open composting facilities" jointly developed by the Environment Agency with the Association for Organics Recycling
	Total bacteria			
	Aspergillus Fumigatus			
Downwind of the site at an equal distance from the boundary of the operational area as the nearest sensitive receptor	Gram-negative bacteria	300 cfu/m ³ limit		
	Total bacteria	1000 cfu/m ³ limit		
	Aspergillus Fumigatus	500 cfu/m ³ limit		
Adjacent to the nearest sensitive receptor	Gram-negative bacteria	300 cfu/m ³ limit		
	Total bacteria	1000 cfu/m ³ limit		
	Aspergillus Fumigatus	500 cfu/m ³ limit		

Note 1: The limits above apply to the process contribution from the site.

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 3.5.1.	A1, A2, A3, A4, A5, A6, A7, A13, A23	Every 12 months	1 January

Table S4.3 Performance parameters

Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Natural gas usage	Annually	MWh
Total raw material used	Annually	tonnes

Table S4.4 Reporting forms

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	DD/MM/YY

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	

(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

To be notified within 24 hours of detection	
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) Notification requirements for the breach of a limit

To be notified within 24 hours of detection unless otherwise specified below	
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	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 - Interpretation

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

“*application*” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

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

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

“*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.

“*background concentration*” means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

“*best available treatment, recovery and recycling techniques*” shall have the meaning given to it in the document published jointly by the Department for Environment, Food and Rural Affairs, the Welsh Assembly Government and the Scottish Executive on 27th November 2006, entitled “Guidance on Best Available Treatment, Recovery and Recycling Techniques (BATRR) and Treatment of Waste Electrical and Electronic Equipment (WEEE);

“*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.

“*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.

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

“*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.

“*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..

“*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.

“*groundwater protection zones 1 and 2*” have the meaning given in the document titled "Groundwater Protection: Policy and Practice" published by the Environment Agency in 2006.

“*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).

“*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).

“*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

“*nearest sensitive receptors*” means the nearest place to the composting operations where people are likely to be for prolonged or frequent periods. This term would therefore apply to dwellings (including any associated gardens) and to workplaces where workers would frequently be present. It does not apply to the operators of composting facilities or their staff while carrying out the composting operation as their health is covered by Health and Safety legislation.

“*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 conversion of ammonia into nitrates and recolonisation of beneficial micro-organisms. The maturation phase may need active management by turning to prevent the material becoming anaerobic.

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

“*Pests*” means Birds, Vermin and Insects.

“*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.

“*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.

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

“*year*” means calendar year ending 31 December.

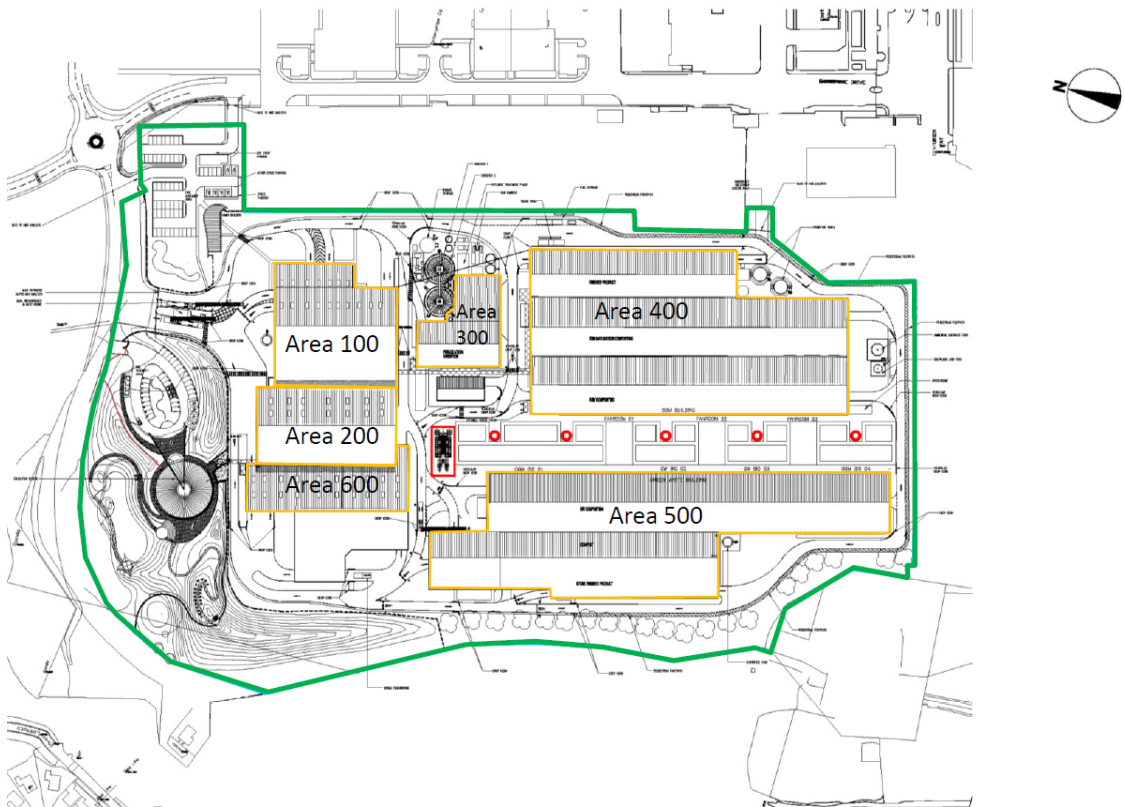
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

- (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.

DRAFT

Schedule 7 - Site plan



END OF PERMIT

DRAFT

Permit Number: EP3397EA Operator: Global Renewables Lancashire Operations Limited

Facility: Leyland Waste Treatment Facility Form Number: Air1 / DD/MM/YY

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

Emission							
Emission Point	Substance / Parameter	Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]

- [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
(Authorised to sign as representative of Operator)

Date.....

Permit Number: EP3397EA

Operator: Global Renewables Lancashire Operations Limited

Facility: Leyland Waste Treatment Facility

Form Number: WaterUsage1 / DD/MM/YY

Reporting of Water Usage for the year XXXX

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
Mains water		
TOTAL WATER USAGE		

Operator's comments :

Signed Date.....
(authorised to sign as representative of Operator)

Permit Number: EP3397EA

Operator: Global Renewables Lancashire Operations Limited

Facility: Leyland Waste Treatment Facility

Form Number: Energy1 / DD/MM/YY

Reporting of Energy Usage for the year XXXX

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

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

Signed
(Authorised to sign as representative of Operator)

Date.....