

# Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

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GP Biotec Ltd

Great Porthamel AD Plant  
Talgarth  
Brecon  
Powys  
LD3 0DL

Permit number  
EPR/AB3233DW

# Great Porthamel AD Plant

## Permit number EPR/AB3233DW

### Introductory note

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

The main features of the permit are as follows.

This environmental permit allows the operator to treat non-hazardous wastes using anaerobic digestion to produce digestate (solid & liquid form) and also use the biogas from two combined heat and power (CHP) engines to generate electricity and heat. The electricity will feed into the National Grid as a source of renewable energy. The heat will be used on site to facilitate heating processes like hygienisation and pre-mixing.

Hazardous wastes are not permitted. At least 50% of the wastes will be sourced from Great Porthamel Farm. The total quantity of waste that can be accepted at Great Porthamel Farm must not exceed 35,000 tonnes per year. 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.

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<br>EPR/AB3233DW/A001   | Duly made<br>04/07/11               | Application for an Anaerobic<br>Digestion facility |
| Additional information<br>received | 26/10/11,<br>11/11/11 &<br>15/12/11 | Schedule 5 Responses & revised<br>OMP              |
| Permit determined                  | 12/03/12                            | Permit issued to GP Biotec Ltd                     |

End of introductory note

<sup>1</sup> The Animal By-Products (Enforcement) (England) Regulations 2011 (SI 2011 No.881) and the Animal By-Products (Enforcement) (Wales) Regulations 2011 (SI 2011 No.600 W.88)

# Permit

The Environmental Permitting (England and Wales) Regulations 2010

**Permit number**  
**EPR/AB3233DW**

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

**GP Biotec Ltd** (“the operator”),  
whose registered office is

**Great Porthamel**  
**Talgarth**  
**Brecon**  
**Powys**  
**LD3 0DL**

company registration number **06512575**  
to operate waste operations at

**Great Porthamel AD Plant**  
**Talgarth**  
**Brecon**  
**Powys**  
**LD3 0DL**

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

| Name            | Date                        |
|-----------------|-----------------------------|
| Stephen Attwood | 12 <sup>th</sup> March 2012 |

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 Avoidance, recovery and disposal of wastes produced by the activities

- 1.2.1 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.
- 1.2.2 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 specified in schedule 1, table S1.2 or otherwise required under this permit, 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 S2.1, [2.2 etc]; 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.

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

### **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;
- (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 Monitoring**

- 3.3.1 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.
- 3.3.2 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.
- 3.3.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.3.4 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.

### **3.4 Odour**

- 3.4.1 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.

### **3.5 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;
  - (b) implement the approved noise and vibration 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 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.

4.2.3 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.

## 4.3 Notifications

4.3.1 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.

4.3.2 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 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.

4.3.4 In any other case:

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

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

## **4.4 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

**Schedule 1 - Operations Table S1.1 activities**

|    | Description of activities for waste operations  | Limits of activities  |
|----|---|---|
| A1 | <p><b>R13:</b> Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p><b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents</p> | <p>All storage tanks and chambers will be sealed.</p> <p>The digester tanks shall be located on an impermeable surface with sealed drainage with a concreted bund with the capacity to contain 110% of the digester tanks volume in case of spillage. The containment area shall be regularly inspected.</p> <p>Foul water will be discharged via a sealed drainage system to a holding tank and used in the digestion process.</p> <p>Treatment of wastes including shredding, screening, mixing, and maceration.</p> <p>Digestion of wastes including pasteurisation and chemical addition.</p> <p>Gas cleaning by biological or chemical scrubbing.</p> <p>Gas storage and drying.</p> <p>Treatment of digestate including addition of thickening agents (polymers) or drying.</p> <p>The maximum throughput of animal wastes shall be &lt;10 tonnes per day.</p> <p>The total quantity of waste accepted at the site shall be less than 35,000 tonnes a year.</p> <p>Waste types as specified in schedule 2 Table S2.2</p> <p>The use of combustible gases produced as a by-product of the anaerobic digestion process as fuel.</p> |
|    | <b>R1:</b> Use principally as a fuel or other means to generate energy  | The aggregate rated thermal input of the CHP engines used to burn biogas shall be less than 3 megawatts.  |
|    | <b>D10:</b> Incineration on land  | Use of an emergency flare required only for short periods or breakdown or maintenance of the facility.  |

**Table S1.2 Operating techniques**

| <b>Description</b>  | <b>Parts</b>  | <b>Date Received</b>   |
|---|---|------------------------|
| Application   | Supporting information SOL0311GP01_1<br>Dated June 11:<br>- Section 4.1.5 Accidents and Emergencies | 17/06/11               |
|   | Odour management plan reference OMP   | 15/12/11               |
|   | Hazard Analysis & Critical Control Points –<br>ref: GP-HACCP  | 17/06/11               |
|   |   |                        |
| Sector Guidance Note 5.06: Guidance for<br>the Recovery and Disposal of hazardous<br>and non hazardous waste. |   | 17/06/11               |
| PPG 29: Safe Storage of Combustible<br>Materials  |   | 17/06/11               |
| PPG 18: Managing Fire, Water and Major<br>Spillages   |   | 17/06/11               |
| PPG 1: General Guide to the prevention<br>of pollution  |   | 17/06/11               |
| Additional information  | Schedule 5 Responses  | 26/10/11 &<br>11/11/11 |

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

**Table S2.1 Permitted waste types and quantities for anaerobic digestion**

Maximum quantity No more than 35,000 tonnes per year of waste to be accepted and processed  
No more than 10 tonnes per day of animal by-products to be accepted and processed

| Waste code   | Description  |
|--------------|--|
| <b>02</b>    | <b>WASTES FROM AGRICULTURAL, HORTICULTURAL, HUNTING, FISHING AND AQUACULTURAL PRIMARY PRODUCTION, 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   |
| <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  |
| <b>02 03</b> | <b>Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee and tobacco preparation and processing</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  |
| <b>02 04</b> | <b>Wastes from sugar processing</b>  |
| 02 04 01     | Soil from cleaning and washing beet  |
| 02 04 03     | Sludges from on-site effluent treatment  |
| <b>02 05</b> | <b>Wastes from the dairy products industry</b>   |
| 02 05 01     | 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  |
| <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  |
| 02 07 02     | Wastes from spirits distillation   |
| 02 07 04     | Materials unsuitable for consumption or processing   |
| 02 07 05     | Sludges from on-site effluent  |
| <b>19</b>    | <b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE</b> |
| <b>19 05</b> | <b>Wastes from aerobic treatment of solid wastes</b>   |
| 19 05 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  |

**Table S2.1 Permitted waste types and quantities for anaerobic digestion**

|                   |  |
|-------------------|--|
| Maximum quantity  | No more than 35,000 tonnes per year of waste to be accepted and processed<br>No more than 10 tonnes per day of animal by-products to be accepted and processed |
| <b>Waste code</b> | <b>Description</b>   |
| <b>19 08</b>      | <b>Wastes from waste water treatment plants not otherwise specified</b>  |
| 19 08 01          | Screenings   |
| <b>20</b>         | <b>MUNICIPAL WASTES AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSITUTIONAL WASTES INLUDING SEPARATELY COLLECTED FRACTIONS</b>                                     |
| <b>20 01</b>      | <b>Separately collected fractions</b>  |
| 20 01 08          | Biodegradable kitchen and canteen waste  |
| 20 01 25          | Edible oil and fat   |
| <b>20 02</b>      | <b>Garden and park wastes (including cemetery waste)</b>   |
| 20 02 01          | Biodegradable waste  |
| <b>20 03</b>      | <b>Other municipal wastes</b>  |
| 20 03 02          | Waste from markets   |

## 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                                    |
|-------------------------------------|------------------------------|--------------------------------------|------------------------|------------------|----------------------|--|
| Point A1 on site plan in Schedule 7 | Oxides of Nitrogen           | Combined heat and power engine (CHP) | 500 mg/m <sup>3</sup>  | Hourly Mean      | Annually             | BS EN 14792: 2005 <sup>1</sup>                                   |
|                                     | Carbon Monoxide              |                                      | 1400 mg/m <sup>3</sup> |                  |                      | BS EN 15058: 2006 <sup>1</sup>                                   |
|                                     | Sulphur Dioxide              |                                      | 350 mg/m <sup>3</sup>  |                  |                      | BS EN 14791: 2005 <sup>1</sup>                                   |
|                                     | Total VOCs including methane |                                      | 1000 mg/m <sup>3</sup> |                  |                      | BS EN 12619: 1999 <sup>1</sup><br>BS EN 13526: 2002 <sup>1</sup> |
| Point A2 on site plan in Schedule 7 | Oxides of Nitrogen           | Combined heat and power engine (CHP) | 500 mg/m <sup>3</sup>  | Hourly mean      | Annually             | BS EN 14792: 2005 <sup>1</sup>                                   |
|                                     | Carbon Monoxide              |                                      | 1400 mg/m <sup>3</sup> |                  |                      | BS EN 15058: 2006 <sup>1</sup>                                   |
|                                     | Sulphur Dioxide              |                                      | 350 mg/m <sup>3</sup>  |                  |                      | BS EN 14791: 2005 <sup>1</sup>                                   |
|                                     | Total VOCs including methane |                                      | 1000 mg/m <sup>3</sup> |                  |                      | BS EN 12619: 1999<br>BS EN 13526: 2002 <sup>1</sup>              |
| Point A3 on site plan in schedule 7 | Oxides of Nitrogen           | Emergency flare                      | No limit set           | None specified   |                      |  |
|                                     | Carbon Monoxide              |                                      |                        |                  |                      |  |
| Flare <sup>2</sup>                  | Total VOCs including methane |                                      |                        |                  |                      |  |

Emission limits for the gas engines and gas flare are based on normal (N) operating conditions and load (temperature: 0°C (273K); pressure: 101.3kPa and oxygen: 3% (dry gas)).

Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme (including the measurement of exhaust gas temperature) shall have either MCERTS certification or MCERTS accreditation (as appropriate), unless otherwise agreed in writing by the Environment Agency.

<sup>1</sup>The Monitoring standard or method shall be carried out as detailed in TGN M2: Monitoring of stack emissions to air or as agreed in writing with the Environment Agency.

<sup>2</sup>Annual monitoring is only required when flare operates in excess of 10% of the time, taken on an annual assessment period.

## Schedule 4 - Reporting

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

| Parameter                                 | Emission or monitoring point/reference | Reporting period | Period begins |
|---|--|------------------|---------------|
| Emissions to air                          | A1 & A2                                | Every 12 months  | 12/03/12      |
| Parameters as required by condition 3.1.2 | Emergency Flare <sup>1</sup>           |                  |               |

<sup>1</sup>Annual monitoring is only required when flare operates in excess of 10% of the time, taken on an annual assessment period

**Table S4.2 Reporting forms**

| Media/parameter | Reporting format  | Date of form |
|-----------------|---|--------------|
| Air             | Form air 1 or other form as agreed in writing by the Environment Agency | 12/03/12     |

## 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.  |  |

|                  |  |
|------------------|--|
| <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.

*“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.

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

*“D”* means a disposal operation provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

*“Digestate”* means material resulting from an anaerobic digestion process.

*“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 to land”* includes emissions to groundwater.

*“emissions of substances not controlled by emission limits”* means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit..

*“EP Regulations”* means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

*“groundwater”* means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

*“Impermeable surface”* means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface, and should be read in conjunction with the term “sealed drainage system” (below).

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

*“Pollution”* means emissions as a result of human activity which may—

- (a) be harmful to human health or the quality of the environment,
- (b) cause offence to a human sense,
- (c) result in damage to material property, or
- (d) impair or interfere with amenities and other legitimate uses of the environment.

*“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.

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

(a) no liquid will run off the surface otherwise than via the system;

(b) except where they may lawfully be discharged to foul sewer, all liquids entering the system are collected in a sealed sump.

*“Secure storage”* means storage where waste cannot escape and members of the public do not have access to it.

*“Site”* means the location where waste storage and treatment activities can take place.

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

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

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

## Schedule 7 - Site plan



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END OF PERMIT

Permit Number: AB3233DW

Operator: GP Services Ltd

Facility: Great Porthamel Farm AD Plant

Form Number: Air1 - 12/03/12

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

| Emission Point               | Substance / Parameter        | Emission               |                  | Result <sup>[1]</sup> | Test Method <sup>[2]</sup>           | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|------------------------------|------------------------------|------------------------|------------------|-----------------------|--------------------------------------|--------------------------------------|----------------------------|
|                              |                              | Limit Value            | Reference Period |                       |                                      |                                      |                            |
| A1                           | Oxides of nitrogen           | 500 mg/m <sup>3</sup>  | Hourly Mean      |                       | BS EN 14792: 2005                    |                                      |                            |
|                              | Carbon monoxide              | 1400 mg/m <sup>3</sup> | Hourly Mean      |                       | BS EN 15058: 2006                    |                                      |                            |
|                              | Sulphur dioxide              | 350 mg/m <sup>3</sup>  | Hourly Mean      |                       | BS EN 14791: 2005                    |                                      |                            |
|                              | Total VOCs including methane | 1000 mg/m <sup>3</sup> | Hourly Mean      |                       | BS EN 12616: 1999; BS EN 13526: 2002 |                                      |                            |
| A2                           | Oxides of Nitrogen           | 500 mg/m <sup>3</sup>  | Hourly Mean      |                       | BS EN 14792: 2005                    |                                      |                            |
|                              | Carbon monoxide              | 1400 mg/m <sup>3</sup> | Hourly Mean      |                       | BS EN 15058: 2006                    |                                      |                            |
|                              | Sulphur dioxide              | 350 mg/m <sup>3</sup>  | Hourly Mean      |                       | BS EN 14791: 2005                    |                                      |                            |
|                              | Total VOCs including methane | 1000 mg/m <sup>3</sup> | Hourly Mean      |                       | BS EN 12616: 1999; BS EN 13526: 2002 |                                      |                            |
| Emergency Flare <sup>1</sup> | Oxides of Nitrogen           | No limit set           | None specified   |                       | None specified                       |                                      |                            |
|                              | Carbon monoxide              |                        |                  |                       |                                      |                                      |                            |
|                              | Total VOCs including methane |                        |                  |                       |                                      |                                      |                            |

<sup>1</sup>Annual monitoring is only required when flare operates in excess of 10% of the time, taken on an annual assessment period.

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.

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.

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.

The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....  
(Authorised to sign as representative of Operator)

Date.....