

# Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

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C R Down Farming Limited

Burrowton Farm Pig Unit

Burrowton Farm

Lower Burrowton

Broadclyst

Exeter

Devon

EX5 3BQ

**Permit number**

EPR/FP3833JD

# Burrowton Farm Pig Unit

## Permit number EPR/FP3833JD

### Introductory note

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

The main features of the permit are as follows:

Burrowton Farm Pig Unit is situated approximately five kilometres north east from the outskirts of Exeter. It is 1.6km east of the village of Broadclyst, Devon. The installation is approximately centred on grid reference SY 00377 96922.

The installation is operated by C R Down Farming Limited and comprises three pig houses, numbered one to three, which operate a fully slatted floor system for production pigs. The three pig houses provide a combined capacity for 4000 pig places. Production pigs are brought onto the farm and reared to the required weight as part of an 'all in all out system'.

All pig houses are ventilated through natural ventilation. Air is drawn in through vents on the sides of the sheds, through the Fully Slatted Floor and emitted to air via the biofilter.

Slurry is extracted from beneath the sheds at two evacuation points using a slurry tanker. This takes place every 12 weeks or when slurry depth is great than 800mm, whichever is sooner. The slurry is exported off site and is stored in a slurry lagoon at another farm owned by the operator. It is then spread onto operator owned land. The operator has a number of other slurry lagoons located on other farms in the area where the slurry could be stored if required.

The sheds are disinfected between batches, the disinfectant is washed into the slurry pit under the sheds. Roof water from the pig houses drains to an adjacent ditch via French drains. The yard is semi-permeable consisting of rolled stone, apart from the loading bays which are concreted. Water from the yard discharges to ground and to surrounding grassland.

The land around the site is predominantly agricultural. The surrounding topography is relatively flat and low lying. Associated food is stored on the installation in sealed food bins which are protected by crash barriers. Mortalities are collected daily and stored in a secure container on site and are incinerated using the on-site incinerator.

There is 1 Site of Special Scientific Interest (SSSI) within 5km of the installation, and 1 Local Wildlife Site (LWS) within 2km. An assessment of the impact of emissions has been carried out and the installation is considered to have no adverse effect on the nature conservation sites.

We have reviewed the permit for this installation against the revised BAT Conclusions in the Intensive Farming BAT Conclusions document dated February 2017. The permit conditions and schedules ensure the compliance of this installation with this BAT Conclusions document.

This permit implements the requirements of the European Union Directive on Industrial Emissions.

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

| <b>Status log of the permit</b>                                 |                       |   |
|---|-----------------------|---|
| <b>Description</b>  | <b>Date</b>           | <b>Comments</b>   |
| Application<br>EPR/FP3833JD/A001                                | Duly made<br>08/05/18 | Application for an intensive farming pig installation permit.   |
| Additional information received                                 | 03/09/18              | Schedule 5 #1 response providing proposals for compliance with BAT-AEL for production pigs and for compliance with BAT30.   |
| Additional information received                                 | 01/11/18              | Schedule 5 #2 response providing an updated Environment Management System (including incident and abnormal operations and site security), Environmental Risk Assessment (including light pollution), details of pest management procedures, proposals for compliance with BAT and responses to general questions 18-25. |
| Additional information received                                 | 02/11/18              | Schedule 5 #2 response providing a revised site layout plan showing the location of the carcass incinerator.  |
| Additional information received                                 | 27/11/18              | Schedule 5 #2 response providing a revised drainage plan showing discharge of roof water from all sheds.  |
| Additional information received                                 | 24/01/19<br>25/01/19  | Request for Information #4 response providing crude protein levels in the existing diet fed to the pigs and the proposed diet. Clarification regarding dead stock and drainage arrangements.  |
| Additional information received                                 | 29/01/19              | Request for Information #5 response providing confirmation that the carcass incinerator burns less than 50kg/hr and it is approved for use under the requirements of the Animal Plant and Health Agency.  |
| Additional information received                                 | 30/01/19              | Schedule 5#2 response providing a revised Odour Management Plan   |
| Additional information received                                 | 30/01/19              | Schedule 5#2 and Request for Information #2 response providing a revised Noise Management Plan.   |
| Additional information received                                 | 30/01/19              | Request for Information #3 response providing a revised Dust Management Plan.   |
| Additional information received                                 | 30/01/19              | Request for information #6 response providing updated Non-technical summary, Environmental Risk Assessment and BAT compliance documents.  |
| Permit determined EPR/FP3833JD<br>(Billing reference: FP3833JD) | 28/02/19              | Permit issued to C R Down Farming Limited.  |

End of introductory note

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/FP3833JD**

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

**C R Down Farming Limited** (“the operator”),

whose registered office is

**Hayes Barton  
East Budleigh  
Budleigh Salterton  
Exeter  
Devon  
EX9 7BS**

company registration number 09168966

to operate an installation at

**Burrowton Farm Pig Unit  
Burrowton Farm  
Lower Burrowton  
Broadclyst  
Exeter  
Devon  
EX5 3BQ**

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

| <b>Name</b>           | <b>Date</b>       |
|-----------------------|-------------------|
| <b>Rebecca Warren</b> | <b>28/02/2019</b> |

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, so far as is reasonably practicable, including those risks 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 the permit.

### 1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) maintain records of fuel and energy consumption used in the activities.

### 1.3 Efficient use of raw materials

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities; and
- (b) maintain records of raw materials and water used in the activities.

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

1.4.1 The operator shall take appropriate measures to ensure that the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities and that;

- (a) 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
- (b) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

## 2 Operations

### 2.1 Permitted activities

2.1.1 The only activities authorised by the permit are 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 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 The operator shall maintain and implement a system to record the number of animal places and animal movements.

2.3.4 The operator shall ensure that a diet formulation and nutritional strategy is used to reduce the total nitrogen and total phosphorous excreted.

2.3.5 The operator shall take appropriate measures in disposal or recovery of solid manure or slurry to prevent, or where this is not practicable, to minimise pollution.

2.3.6 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.7 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.

## **2.4 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 specified in table S3.1 and S3.2.

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

3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

## **3.2 Emissions of substances not controlled by emission limits**

- 3.2.1 Emissions of substances not controlled by emission limits 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; and
  - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

## **3.3 Odour**

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

## **3.4 Noise and vibration**

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

## **3.5 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 and S3.2; and
  - (b) process monitoring specified in table S3.3.
- 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.

## **3.6 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; and
- (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 schedules 3, 4 and 5 to 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 maintain convenient access, in either electronic or hard copy, to the records, plans and management system required to be maintained by this permit.

### **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 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.

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 S4.2; 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.

## 4.3 Notifications

### 4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately :—
  - (i) inform the Environment Agency,
  - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
  - (iii) take the measures necessary to prevent further possible incidents or accidents; and
- (b) of a breach of any permit condition the operator must immediately :—
  - (i) inform the Environment Agency, and
  - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 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:

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

In any other case:

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

4.3.5 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.

4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

## **4.4 Interpretation**

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “immediately”, in which case it may be provided by telephone.

# Schedule 1 – Operations

| <b>Table S1.1 Activities</b>  |   |  |
|---|---|--|
| <b>Activity listed in Schedule 1 of the EP Regulations</b>  | <b>Description of specified activity</b>  | <b>Limits of specified activity</b>  |
| Section 6.9 A(1)(a)(ii) Rearing of pigs intensively in an installation with more than 2,000 places for production pigs (over 30 kg) | Rearing of pigs intensively in an installation with a capacity for 4000 production pig (over 30 kg) places. | From receipt of production pigs and not served gilts (over 30 kg), raw materials and fuels on to the site to pigs and associated wastes being removed from site. |
| <b>Directly Associated Activity</b>   | <b>Description of specified activity</b>  | <b>Limits of specified activity</b>  |
| Biofilters  | Operation of 3 wood chip biofilters.  | From receipt of biofilter medium to release of treated air and disposal of spent biofilter medium.   |
| Carcass incineration  | Operation of an incinerator for carcass disposal Animal and Plant Health Agency (APHA) approved < 50 kg/hr. | From receipt of raw materials, fuels and input of carcasses to release of combustion products to air and associated wastes removed from site.                    |

| <b>Table S1.2 Operating techniques</b>                 |   |                      |
|--|---|----------------------|
| <b>Description</b>                                     | <b>Parts</b>  | <b>Date Received</b> |
| Application EPR/FP3833JD/A001                          | Responses to Part B3.5 of the application form and referenced supporting documentation.   | 29/03/18             |
| Additional information requested 23/04/18              | Duly Making Information – Accident Management Plan, Raw Materials Inventory, Site Layout Plan, Updated EMS, Updated Site Drainage Plan and Information regarding the Biofilter.   | 08/05/18             |
| Additional information requested 20/08/18              | Schedule 5 #1 response providing proposals for compliance with BAT-AEL for production pigs and for compliance with BAT30.   | 03/09/18             |
| Additional information requested on 09/10/18           | Schedule 5 #2 response providing an updated Environment Management System (including incident and abnormal operations and site security), Environmental Risk Assessment (including light pollution), details of pest management procedures, proposals for compliance with BAT and responses to questions 18-25. | 01/11/18             |
| Additional information requested 09/10/18              | Schedule 5 #2 response providing a revised site layout plan showing the location of the carcass incinerator.  | 02/11/18             |
| Additional information requested 09/10/18              | Schedule 5 #2 response providing a revised site drainage plan showing discharge of roof water from all sheds.   | 27/11/18             |
| Additional information requested 23/01/19              | Request for Information #4 response providing percentage crude protein levels in the existing and proposed pig diet. Clarification regarding dead stock and drainage arrangements.  | 24/01/19<br>25/01/19 |
| Additional information requested 29/01/19              | Request for Information #5 response providing confirmation that the carcass incinerator burns less than 50kg/hr and is approved for use under the requirements of the Animal Plant and Health Agency.   | 29/01/19             |
| Additional information requested 09/10/18 and 29/11/18 | Schedule 5 #2 and Request for Information #1 response providing a revised Odour Management Plan.  | 30/01/19             |

| <b>Table S1.2 Operating techniques</b>                 |  |                      |
|--|--|----------------------|
| <b>Description</b>                                     | <b>Parts</b>   | <b>Date Received</b> |
| Additional information requested 09/10/18 and 07/12/18 | Schedule 5 #2 and Request for Information #3 response providing a revised Noise Management Plan.   | 30/01/19             |
| Additional information requested 03/12/18              | Request for Information #2 response providing a revised Dust Management Plan.  | 30/01/19             |
| Additional information requested 08/02/19              | Request for information #6 response providing updated Non-technical summary, Environmental Risk Assessment and BAT compliance documents. | 30/01/19             |

| <b>Table S1.3 Improvement programme requirements</b> |  |             |
|--|--|-------------|
| <b>Reference</b>                                     | <b>Requirement</b>   | <b>Date</b> |
| IC1  | A written plan shall be submitted to the Environment Agency for approval detailing proposals for the use of "Microaid" in the animal feed as an odour abatement measure on Burrowton Farm Pig Unit to comply with the requirements of the Environment Agency's H4 guidance for odour emissions. The proposals shall include the information as detailed in the Environment Agency's 'Environmental Permitting. New Technologies Acceptance. Evidence Requirements for Intensive Farms v2 July 2013' document. Alternative odour abatement measures should be presented and approved if the use of Microaid is not deemed suitable. | 28/05/19    |

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

| Table S2.1 Raw materials and fuels |               |
|------------------------------------|---------------|
| Raw materials and fuel description | Specification |
| ---                                | ---           |

## Schedule 3 – Emissions and monitoring

| Table S3.1 Point source emissions to air – emission limits and monitoring requirements   |                     |           |                        |                  |                      |                               |
|--|---------------------|-----------|------------------------|------------------|----------------------|-------------------------------|
| Emission point ref. & location   | Source              | Parameter | Limit (including unit) | Reference period | Monitoring frequency | Monitoring standard or method |
| Treated air from House 1 biofilter, adjacent to pig house 1, as shown on the 'Lower Burrowton Site Layout Plan' submitted on 02/11/18 with application EPR/FP3833JD/A001 | Pig house 1         | ---       | ---                    | ---              | ---                  | ---                           |
| Treated air from House 2 biofilter, adjacent to pig house 2, as shown on the 'Lower Burrowton Site Layout Plan' submitted on 02/11/18 with application EPR/FP3833JD/A001 | Pig house 2         | ---       | ---                    | ---              | ---                  | ---                           |
| Treated air from House 3 biofilter, adjacent to pig house 3, as shown on the 'Lower Burrowton Site Layout Plan' submitted on 02/11/18 with application EPR/FP3833JD/A001 | Pig house 3         | ---       | ---                    | ---              | ---                  | ---                           |
| Chimney from carcass incinerator as shown on the 'Lower Burrowton Site Layout Plan' submitted on 02/11/18 with application EPR/FP3833JD/A001                             | Carcass incinerator | ---       | ---                    | ---              | ---                  | ---                           |
| Exhaust from standby generator as shown on the 'Lower Burrowton Site Layout Plan' submitted on 02/11/18 with application EPR/FP3833JD/A001                               | Standby Generator   | ---       | ---                    | ---              | ---                  | ---                           |

| <b>Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements</b>                                  |   |                  |                           |                         |                             |                                      |
|--|---|------------------|---------------------------|-------------------------|-----------------------------|--------------------------------------|
| <b>Emission point ref. &amp; location</b>  | <b>Source</b>   | <b>Parameter</b> | <b>Limit (incl. unit)</b> | <b>Reference Period</b> | <b>Monitoring frequency</b> | <b>Monitoring standard or method</b> |
| Outlet to surface water to east of pig house 3 as shown on the 'Lower Burrowton Site Drainage Plan' submitted on 27/11/18 with application EPR/FP3833JD/A001 | Roof water from pig houses 1-3 intercepted by French drains prior to discharge  | ---              | ---                       | ---                     | ---                         | ---                                  |
| Discharge to ground as shown on the 'Lower Burrowton Site Drainage Plan' submitted on 27/11/18 with application EPR/FP3833JD/A001                            | Water draining from yard (except concreted loading bays during receipt of animals and destocking when dirty water is directed to slurry pits under the sheds) | ---              | ---                       | ---                     | ---                         | ---                                  |

| <b>Table S3.3 Process monitoring requirements</b>                                |  |  |                             |  |
|--|--|--|-----------------------------|--|
| <b>Emission point reference or source or description of point of measurement</b> | <b>Parameter</b>   | <b>Limit (incl. Unit)</b>                              | <b>Monitoring frequency</b> | <b>Monitoring standard or method</b>   |
| Fattening Pigs (production pigs (over 30 kg) in houses 1-3)                      | kg N excreted/animal place/year                              | 13.0 kg N/animal place/year                            | Annually                    | Estimation by using manure analysis for total nitrogen content   |
|  | kg P <sub>2</sub> O <sub>5</sub> excreted/animal place/year  | 5.4kg P <sub>2</sub> O <sub>5</sub> /animal place/year | Annually                    | Estimation by using manure analysis for total phosphorus content   |
| Fattening Pigs (production pigs over 30 kg) in houses 1-3                        | kg NH <sub>3</sub> /animal place/year                        | 2.6 kg NH <sub>3</sub> /animal place/year              | Annually                    | Estimation using emission factors  |
| Fattening Pigs (production pigs over 30 kg) in houses 1-3                        | Dust   | n/a  | Annually                    | Estimation using emission factors  |
| Biofilters 1-3   | Moisture Content   | n/a  | Daily                       | As described in Appendix 1 of the Odour Management Plan submitted on 31/01/19  |
| Biofilters 1-3   | Temperature  | n/a  | Daily                       | As described in Appendix 1 of the Odour Management Plan submitted on 31/01/19  |
| Biofilters 1-3   | Fan Speed  | n/a  | Daily                       | As described in Appendix 1 of the Odour Management Plan submitted on 31/01/19  |
| Biofilters 1-3   | Pressure   | n/a  | Daily                       | As described in Appendix 1 of the Odour Management Plan submitted on 31/01/19  |
| Biofilters 1-3   | pH   | n/a  | Quarterly                   | As described in Appendix 1 of the Odour Management Plan submitted on 31/01/19  |
| Feed protein content Pigs < 80kg   | Crude protein content % of total nutritional content of feed | 17.41%   | Every 6 months              | As specified in the document providing nutritional breakdown of the feed as provided by feed supplier (dated 25/01/19) |
| Feed protein content Pigs > 80kg   | Crude protein content % of total nutritional content of feed | 16.70%   | Every 6 months              | As specified in the document providing nutritional breakdown of the feed as provided by feed supplier (dated 25/01/19) |

## Schedule 4 – Reporting

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

| <b>Parameter</b>   | <b>Emission or monitoring point/reference</b> | <b>Reporting period</b> | <b>Period begins</b> |
|--|---|-------------------------|----------------------|
| Process monitoring Parameters as required by condition 3.5.1 | -   | Every 12 months         | 1 January            |

| <b>Media/parameter</b>  | <b>Reporting format</b>  | <b>Date of form</b> |
|---|--|---------------------|
| kg NH <sub>3</sub> /animal place/year   | Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency | 28/02/19            |
| kg N excreted/animal place/year & kg P <sub>2</sub> O <sub>5</sub> excreted/animal place/year | Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency | 28/02/19            |
| Dust atmospheric mass emission  | Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency | 28/02/19            |
| Biofilter operation   | Form Process Monitoring 2 or other form as agreed in writing by the Environment Agency | 28/02/19            |
| Feed protein content  | Form Process Monitoring 2 or other form as agreed in writing by the Environment Agency | 28/02/19            |

# Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

## Part A

|                                |  |
|--------------------------------|--|
| Permit number                  |  |
| Name of operator               |  |
| Location of facility           |  |
| Time and date of the detection |  |

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

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

|   |
|---|
| <b>Time periods for notification following detection of a breach of a limit</b> |
|---|

| Parameter | Notification period |
|-----------|---------------------|
|           |                     |
|           |                     |
|           |                     |

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

## **Part B – to be submitted as soon as practicable**

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

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

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

“Animal and Plant Health Agency (APHA)” is the government agency that licences small on farm incinerators; formerly known as the Animal Health and Veterinary Laboratories Agency.

“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.

“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 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

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

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

“Manure and slurry” have the following meaning:

- Manures may be either slurries or solid manures.
- Slurries consist of excreta produced by livestock whilst in a yard or building mixed with rainwater and wash water and, in some cases, waste bedding and feed. Slurries can be pumped or discharged by gravity.
- Slurry includes duck effluent, seepage from manure and wash water.
- Solid manures include farmyard manure (FYM) and comprise material from straw-based housing systems, excreta with lots of straw/sawdust/woodchips in it, or solids from mechanical separators.
- Most poultry systems produce solid manure (litter).
- Solid manure can generally be stacked.

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

“pests” means Birds, Vermin and Insects.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes 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.



**Permit Number:** **EPR/FP3833JD**      **Operator:** **C R Down Farming Limited**

**Facility:** **Burrowton Farm Pig Unit**      **Form Number:** **Process Monitoring 1 / 28/02/19**

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

**Ammonia emissions**

| Animal type/housing | Emission Factor utilised in Kg NH3/animal place /year | Total Value for animal type/housing type in kg NH3/year |
|---------------------|---|---|
|                     |   | Total value for each animal type/housing                |
|                     |   |   |
|                     |   |   |
|                     |   |   |
|                     |   |   |
|                     |   |   |
|                     |   |   |
| <b>Total</b>        | -   | Aggregate value to provide total installation emissions |

Operator's comments:

**Nitrogen excretion**

| Animal type  | Emission Factor utilised in Kg N/animal place /year | Total Value for animal type/housing type in kg N excreted/year |
|--------------|---|--|
|              |   | Total value for each animal type                               |
|              |   |  |
|              |   |  |
|              |   |  |
|              |   |  |
|              |   |  |
|              |   |  |
| <b>Total</b> | -   | Aggregate value to provide total installation emissions        |

Operator's comments:

**Phosphorous excretion**

| Animal type  | Emission Factor utilised in Kg P/animal place /year | Total Value for animal type/housing type in kg P excreted/year |
|--------------|---|--|
|              |   | Total value for each animal type                               |
|              |   |  |
|              |   |  |
|              |   |  |
|              |   |  |
|              |   |  |
|              |   |  |
| <b>Total</b> | -   | Aggregate value to provide total installation emissions        |

Operator's comments:

**Dust emissions**

| Animal type  | Emission Factor utilised in Kg PM10 dust/animal place /year | Total Value for animal type/housing type in kg PM10 dust /year |
|--------------|---|--|
|              |   | Total value for each animal type                               |
|              |   |  |
|              |   |  |
|              |   |  |
|              |   |  |
|              |   |  |
|              |   |  |
| <b>Total</b> | -   | Aggregate value to provide total installation emissions        |

Operator's comments:

Signed .....

Date.....

(Authorised to sign as representative of Operator)

**Permit Number:** **EPR/FP3833JD**      **Operator:** **C R Down Farming Limited**

**Facility:** **Burrowton Farm Pig Unit**      **Form Number:** **Process Monitoring 2 / 28/02/19**

**Biofilter operation**

| Parameter        | Acceptable range | Measurement (any deviation from acceptable figures/ranges should be justified) |
|------------------|------------------|--|
| Moisture Content | 65%-75%          |  |
| Temperature      | 10°C - 35°C      |  |
| pH               | 7-8              |  |
| Fan Speed        | 7-14 m/s         |  |
| Pressure         | 40-60 pascals    |  |
|                  |                  |  |
|                  |                  |  |
|                  |                  |  |

Operator's comments:

Signed .....

Date.....

(Authorised to sign as representative of Operator)

**Permit Number:**            **EPR/FP3833JD**      **Operator:**    **C R Down Farming Limited**

**Facility**                    **Burrowton Farm Pig Unit**      **Form Number:**      **Process Monitoring 3 / 28/02/19**

| <b>Date of delivery</b> | <b>Feed type - Finisher 1 or Finisher 2</b> | <b>Quantity</b> | <b>Crude protein content %</b> | <b>Crude protein in final diet %</b> | <b>Document Reference for Supporting Evidence</b> |
|-------------------------|---|-----------------|--------------------------------|--------------------------------------|---|
|                         |   |                 |                                |                                      |   |
|                         |   |                 |                                |                                      |   |
|                         |   |                 |                                |                                      |   |
|                         |   |                 |                                |                                      |   |
|                         |   |                 |                                |                                      |   |
|                         |   |                 |                                |                                      |   |
|                         |   |                 |                                |                                      |   |
|                         |   |                 |                                |                                      |   |
|                         |   |                 |                                |                                      |   |
|                         |   |                 |                                |                                      |   |