

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Daniel Blenkiron trading as Blenkiron Farming Company

Lark Hall Farm
Ainderby Steeple
Northallerton
North Yorkshire
DL7 0PF

Variation application number

EPR/CP3937CD/V003

Permit number

EPR/CP3937CD

Lark Hall Farm

Permit number EPR/CP3937CD

Introductory note

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

Under the Environmental Permitting (England & Wales) Regulations 2016 (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.

This variation authorises the following changes

- The removal and replacement of broiler house 1 and broiler house 2, with 2 new buildings with a different orientation. Despite these buildings having the same numbers and names as the old buildings, these are considered as new housing in terms of BAT.
- The addition of four further broiler houses, bringing the site total to ten houses.
- The increase in broiler spaces from 310,000 to 600,000 birds.
- The extension of the installation site boundary to the west side of the existing permit boundary, to accommodate the additional broiler houses.
- The introduction of one biomass boiler with a thermal input of 0.995MWth and the introduction of its standby generator.
- The variation of the permit holder name from 'Daniel Blenkiron' to 'Daniel Blenkiron trading as Blenkiron Farming Company'.
- The removal of the heat exchanger in broiler house 1.
- The site drainage system has been varied to accommodate the new housing. There are now French drain soakaways either side of all broiler houses and one dirty water tank per pair of broiler houses.

We have reviewed the new housing introduced with this permit variation for this installation against the BAT conclusions as defined in Intensive Farming BAT conclusion document dated 20/02/17. The permit conditions and schedules ensure the compliance of the new housing with this BAT conclusions document.

The rest of the installation is unchanged and continues to be operated as follows.

Lark Hall Farm is situated approximately 800 metres west of the village of Romanby, Northallerton. The installation is approximately centred on National Grid Reference SE 34877 92835.

The installation is operated by Daniel Blenkiron trading as Blenkiron Farming Company and comprises ten broiler houses, numbered one to ten. The ten poultry houses provide a combined capacity for 600,000 bird places.

Chicks are brought onto the farm at one day old and are depopulated when they reach their targeted growth rate. For pullets this is approximately 35 days and for cockerels this is approximately 48 days. The broilers are reared from day old until slaughter following an 'all in all out' system, where at depopulation the whole farm is washed out and disinfected before beginning a new cycle. On average there are 6.5 crop cycles per annum with a turnaround of 7-10 days between crops.

All of the poultry houses are ventilated by means of negative air pressure, in which air is drawn in through the side vents of the buildings and exits through the roof via high velocity fans. All of the poultry houses also have gable end fans, although these are operated infrequently to maintain temperature, typically in the summer months.

The installation includes a litter combustion plant. Once the houses have been depopulated, poultry litter is transported by tractor or trailer to the litter store ready for combustion as a fuel. The litter fuel storage area is

physically separated from the litter combustion plant with a solid sealed wall to full height. The litter is transferred from the storage area by means of a top loader system and then into the combustion chamber by means of a fully enclosed conveyor. The quantity of poultry litter stored and used as a fuel is around 2,500 tonnes per year. Ash from the litter combustion plant is spread on farmland under the Quality Protocol rules set out by the Environment Agency.

The installation includes a biomass boiler with a thermal input capacity of 0.995MWth. This biomass boiler is used to heat poultry houses 7-10. The fuel used is biomass not comprising waste or animal carcasses. Ash from the litter boiler plant and woodchip/straw boiler is spread on farmland under the Quality Protocol rules set out by the Environment Agency.

Roof water from all poultry houses and lightly contaminated yard water (excluding during clean out) are emitted to the ground via French drain soakaways. Within the installation boundary there is a settlement pond to the eastern side of the poultry houses. This settlement pond receives clean and lightly contaminated yard water from poultry houses 1 to 3.

During clean out periods, diverter bungs and drain mats are used to divert the wash water to the underground dirty water tanks. The dirty water tanks are emptied at the end of each wash cycle and spread onto nearby farmland.

The land around the site is predominantly agricultural, with some light industrial use to the south. The site itself is flat and the surrounding topography is mostly flat or gently undulating.

Feed is delivered in covered lorries and stored on-site in sealed, vermin-proof, galvanised steel bins. Dust deposited on hard standing within the site is regularly swept up and disposed of in accordance with the DEFRA Code of Good Agricultural Practice.

Mortalities are collected daily and the numbers recorded. Fallen stock is disposed of daily using the farms on-site incinerator which is approved by the Animal and Plant Health Agency (APHA). The incinerator is run on natural gas and has a burn rate of up to 50kg per hour.

There are no Special Areas of Conservation (SAC), no Special Protection Areas (SPA) and no Ramsars within 10km of the installation. Neither are there any Sites of Special Scientific Interest (SSSI) within 5km of the installation, nor any other nature conservation sites within 2km.

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

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	Date	Comments
Application EPR/CP3937CD/A001	Duly made 06/03/2013	Application for an intensive farming poultry installation permit.
Additional information received	27/04/2013	Confirmation of emissions points to air and drainage arrangements for yard water. Submission of revised site layout and drainage plan showing emissions to air, location of soakaway and correct numbering of the sheds. Submission of completed application form B2.
Additional information received	29/04/2013	Confirmation of revised site location plan.
Permit determined EPR/CP3937CD	17/05/2013	Permit issued to Daniel Blenkiron.
Application EPR/CP3937CD/V002	Duly made 27/04/2016	Application to increase place numbers to 310,000, add a 1MWth input poultry manure fuelled burner, add two new poultry houses with an associated change to the installation boundary.

Status log of the permit		
Description	Date	Comments
Variation determined EPR/CP3937CD (billing ref: MP3439RE)	11/07/2016	Varied permit issued.
Application received EPR/CP3937CD/V003 (variation and consolidation)	Duly made 27/03/2018	Application to vary the permit to replace broiler houses 1 and 2 with new buildings, add a further 4 new broiler houses, increase broiler places from 310,000 to 600,000 birds, extend the site boundary, add one biomass boiler, change the permit holder name and remove the heat exchanger activity from the permit.
Additional information received	28/06/2018	Additional information received including revised site plans, a bioaerosol risk assessment, BAT compliance confirmation and amendments to various operating technique documents.
Additional information received	16/07/2018	Additional information received including corrections to miswording in the operating techniques, confirmation of the biomass boiler thermal capacity, confirmation of biomass boiler fuel.
Variation determined EPR/CP3937CD/V003 (Billing reference: BP3932JV)	25/07/2018	Varied and consolidated permit issued to Daniel Blenkiron trading as Blenkiron Farming Company.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

Permit number

EPR/CP3937CD

Issued to

Daniel Blenkiron trading as Blenkiron Farming Company ("the operator")

of

**Lark Hall Farm
Ainderby Steeple
Northallerton
North Yorkshire
DL7 0PF**

to operate an installation at

**Lark Hall Farm
Ainderby Steeple
Northallerton
North Yorkshire
DL7 0PF**

to the extent set out in the schedules.

The notice shall take effect from 25/07/2018

Name	Date
Tom Swift	25/07/2018

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit EPR/CP3937CD as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/CP3937CD

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/CP3937CD/V003 authorising,

Daniel Blenkiron trading as Blenkiron Farming Company ("the operator"),

of

**Lark Hall Farm
Ainderby Steeple
Northallerton
North Yorkshire
DL7 0PF**

to operate an installation at

**Lark Hall Farm
Ainderby Steeple
Northallerton
North Yorkshire
DL7 0PF**

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

Name	Date
Tom Swift	25/07/2018

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.

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, S3.2 and S3.3.
- 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 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.
- (b) the annual production/treatment data set out in schedule 4 table S4.2;

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

Table S1.1 Activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section 6.9 A(1)(a)(i) Rearing of poultry intensively in an installation with more than 40,000 places	The rearing of poultry in a facility with a capacity for 600,000 broiler places.	From receipt of birds, raw materials and fuels onto the site to removal of birds and associated wastes from site.
Directly Associated Activity	Description of specified activity	Limits of specified activity
Carcass incineration	Operation of one Incinerator for carcass disposal. Animal and Plant Health Agency (APHA) approved and < 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.
Biomass boiler	Operation of one biomass boiler with a thermal rated input not exceeding 0.995MWth, for site heating requirements, burning biomass fuel not comprising waste or animal carcasses.	From receipt of raw materials and fuels, to release of combustion products to air and associated wastes removed from site.
Heat and power generation	Operation of one on farm litter combustion unit with a thermal rated input not exceeding 1MWth. Burning unprocessed poultry manure generated on site.	From poultry manure storage on site to the release of combustion products to air and removal of associated wastes from site.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/CP3937CD/A001	Responses to Part B3 section 3 of the application form and referenced supporting documentation.	05/02/2013
Request for information	Response to Request for Information Confirmation of emissions points to air and drainage arrangements for yard water. Submission of revised site layout and drainage plan showing emissions to air, location of soakaway and correct numbering of the sheds. Submission of completed application form B2.	27/04/2013
Request for information	Confirmation of revised site location plan.	29/04/2013
Application EPR/CP3937CD/V002	Revised supporting documents: Appendix 3 – EMS, Appendix 4 – Non-technical Summary, Appendix 5 – Technical Summary, Appendix 7 – Odour Management Plan, Appendix 9 – Risk Assessment.	27/04/2016
Application EPR/CP3937CD/V003	Responses to Part C3.5 of the application form and referenced supporting documents plus all duly making responses.	27/03/2018
Response to Schedule 5 notice dated 21/06/2018	Site layout plan reference 'Emission Points Plan' displaying the emissions to air, water and land. Schedule 5 response overview text reference 'Schedule 5 response summary' including information such as confirmation of emission points, site drainage and BAT compliance.	28/06/2018
Response to Schedule 5 notice dated 16/07/2018	Email confirming the biomass boiler thermal capacity, confirmation of biomass boiler fuel and that the feed bins will be sealed and vermin-proof.	16/07/2018

Table S1.2 Operating techniques		
Description	Parts	Date Received
	Integrated Pollution Prevention & Control (IPPC) Report reference 'IPPC Report v3' which comprises the latest, approved versions of the site layout plans, technical standards, odour management plan and noise management plan.	

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Fuel for biomass boiler unit.	Biomass chips or pellets comprising virgin timber, straw, miscanthus or a combination of these.
Fuel for on farm combustion unit.	Unprocessed poultry manure generated on site.

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
High velocity roof fan outlets on poultry houses 1-10 as shown on the site layout plan in schedule 7	Poultry houses 1-10	---	---	---	---	---
Gable end fan outlets on poultry houses 1-10 as shown on the site layout plan in schedule 7	Poultry houses 1-10	---	---	---	---	---
Chimney from the carcass incinerator as shown on the site layout plan in application EPR/CP3937CD/V003	Carcass incinerator	---	---	---	---	---
Emissions from one poultry manure fuelled boiler shown on the site plan in Schedule 7	One boiler with 1MWth thermal input	---	---	---	---	---
Emissions from one biomass boiler as shown on the site layout plan in application EPR/CP3937CD/V003	One boiler with 995kWth thermal input	---	---	---	---	---
Exhaust from standby generator located next to the combustion plant building, as shown on the site layout plan in application EPR/CP3937CD/V003	Standby generator	---	---	---	---	---

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Outlet to attenuation pond acting as a soakaway, to the east of poultry house 2 as shown on the site drainage plan in application EPR/CP3937CD/V003	Roof water from poultry houses 1 to 3 and lightly contaminated yard water (except during clean out periods)	---	---	---	---	---

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
French drain soakaways to land, in between and either side of poultry houses 1 to 10, as shown on the site drainage plan in application EPR/CP3937CD/V003	Roof water from poultry houses 1 to 10 and lightly contaminated yard water (except during clean out periods)	---	---	---	---	---

Table S3.3 Process monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Limit (incl. Unit)	Monitoring frequency (1)	Monitoring standard or method
Broilers in houses 1-10	kg N excreted/animal place/year	0.6 kg N/animal place/year	Annually	Using a mass balance of nitrogen based on the feed intake, dietary content of crude protein, and animal performance or Estimation by using manure analysis for total nitrogen content
	kg P ₂ O ₅ excreted/animal place/year	0.25 kg P ₂ O ₅ animal place/year		Using a mass balance of phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total phosphorus content
	kg NH ₃ /animal place/year	0.08 kg NH ₃ /animal place/year		Estimation using emission factors
	Dust	n/a		Estimation using emission factors

Note 1 – For all existing housing permitted before 21/02/17 the monitoring is a requirement from 21/02/21

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
Process monitoring Parameters as required by condition 3.5.1	-	Every 12 months	1 January

Table S4.2 Reporting forms		
Media/parameter	Reporting format	Date of form
kg NH ₃ /animal place/year	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	25/07/18
kg N excreted/animal place/year & kg P ₂ O ₅ excreted/animal place/year	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	25/07/18
Dust atmospheric mass emission	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	25/07/18

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
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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
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To be notified within 24 hours of detection
--

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.

“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.

“virgin timber” means timber from

- Whole trees and the woody parts of trees including branches and bark derived from forestry works, woodland management, tree surgery and other similar operations (it does not include clippings or trimmings that consist primarily of foliage);
- Virgin wood processing (e.g. wood offcuts, shavings or sawdust from sawmills) or timber product manufacture dealing in virgin timber.
- If virgin timber is mixed with waste timber or any other waste, the mixed load is classed as waste.

“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.

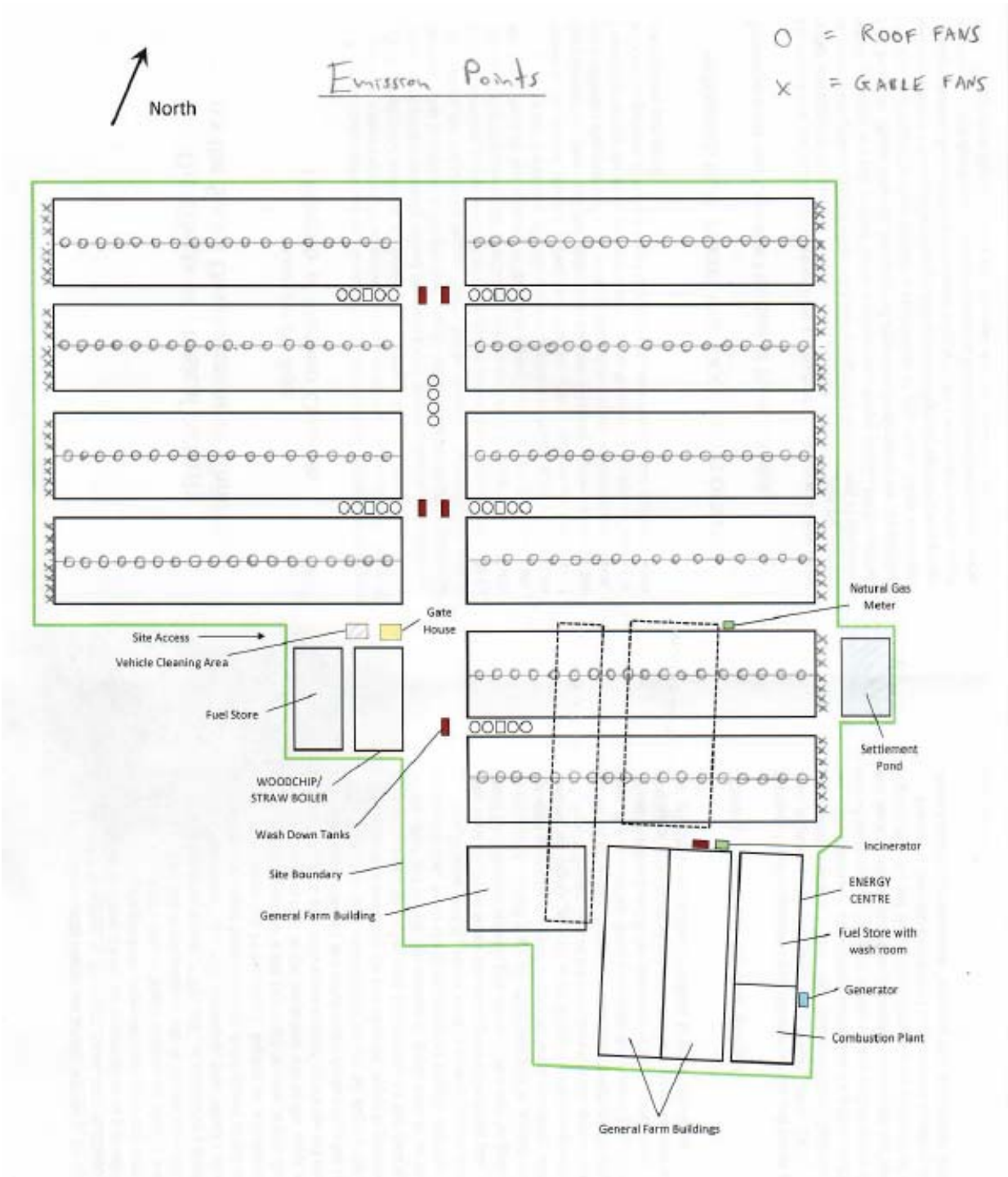
"year" means calendar year ending 31 December.

Schedule 7 – Site plan

Site plan - showing installation boundary as referred to in condition 2.2.1.



Site layout plan – showing the emission points on site and the site layout.



END OF PERMIT