

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

A.E. & W.A. Farr Limited
Vine Farm Poultry Unit
Edworth Road
Langford
Biggleswade
SG18 9TA

Variation application number

EPR/GP3630VQ/V002

Permit number

EPR/GP3630VQ

Vine Farm Poultry Unit

Permit number EPR/GP3630VQ

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.

Vine Farm Poultry Unit is an intensive farming installation operated by A.E. & W.A. Farr Limited, and is situated approximately 500 metres north west of the village of Astwick in Bedfordshire. The installation is approximately centred on National Grid Reference TL 20739 38987.

This variation is to allow for the addition of two new poultry houses and increase the permitted capacity for the number of broilers from 336,000 to 442,000 places, subject to the completion of a pre-operational measure for future development, referred to as PO1 in Table S1.4. Until the completion of the pre-operational measure PO1, the permit will only allow for the stocking of the existing 8 poultry houses with a permitted capacity of 336,000 broilers.

The two new poultry houses, referred to as houses 9 and 10, would comply with the BAT conclusions as defined in Intensive Farming BAT conclusion document dated 20/02/17.

The inclusion of the new poultry houses would increase the permit boundary to the north of the site. The new sheds would have high velocity roof ventilation and gable end fans. Dirty water from the sheds would be directed to catchment tanks, with clean roof water directed to attenuation ponds via French drains.

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

The poultry houses are ventilated by roof fans with an emission point higher than 5.5 metres above ground level and an efflux speed greater than 11 metres per second. All houses also have gable end fans, although these are operated infrequently to maintain temperature, typically in the summer months.

Two biomass boilers, each with a thermal input of 998 kilowatts, are installed for heating the poultry houses and are to be fuelled by means of virgin biomass (wood chippings) which are stored in an adequately sized, purpose built store alongside the boiler. The wood chips are automatically auger fed into the boiler as required. As backup each of the buildings also have a number of liquid petroleum gas (LPG) heaters connected to the existing LPG supply which would come in to use should there be any breakdown in any of the boilers or in the solid fuel supply delivery system.

The areas outside of the houses are laid to concrete, rolled stone and grassland.

All the buildings have a link to below ground dirty water catchment tanks. These are located to the front of the poultry houses. Dirty water is directed to these via internal drainage points located within each of the buildings, with all external waters being picked up via a series of open drains on the concrete apron and change over points. Run-off from the roofs of buildings are discharged by means of a French drain system which will discharge to the purpose-built attenuation ponds.

During depletion and cleanout, a valve located at the collection point is manually changed over and all surface water and shed washings discharge to the dirty water collection tanks, which are closely monitored to remain at a manageable level throughout the process.

At the start of the cycle wood shavings/chopped straw is delivered and spread on the floors to a depth of 4-6cm and the sheds are pre-warmed to 33°C. Day old birds are placed across the site and, as birds grow, temperature is gradually reduced and ventilation is increased.

Feed from a UFAS accredited mill is delivered in 28 tonne capacity covered lorries and stored on site in galvanised steel bins. Four diets are fed over the growing cycle with the protein and phosphorous content being reduced as the birds get older. At 35 days a proportion of the birds are removed for slaughter, with the remaining birds being processed by around 41/42 days of age.

At the end of the growing cycle all birds are depleted off site with the building being dry cleaned by means of compressed air to remove dust build up from the building interior and equipment before litter is removed.

Spent litter is taken from site by sheeted trailers to be stored in strategic locations around the farm ready for spreading at the appropriate time of year. The litter will be stored on an impermeable base, with appropriate collection and containment of runoff, or in an appropriately located temporary field heap. Following dry cleaning the buildings are then washed clean using high pressure water which is collected and removed from site and will be used for land spreading. Once dry all the building internals are disinfected to point of run.

On average there are 7 crops per annum with a turnaround of 5-7 days between crops. Mortalities are removed from the sheds daily and the numbers recorded.

Carcasses are stored on-site in metal containers ready for collection twice weekly by a National Fallen Stock Scheme.

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 received EPR/GP3630VQ	Duly made 28/06/15	Application for 336,000 broiler places, 8 broiler sheds, and 2 biomass boilers.
Permit determined EPR/GP3630VQ	19/08/15	Permit issued to A.E & W.A Farr Limited.
Application EPR/GP3630VQ/V002 (variation and consolidation)	Duly made 27/02/18	Application to add two poultry houses and increase the permitted number of broilers to 442,000 places.
Additional information received	31/08/18	Updated Odour Management Plan.
Variation determined EPR/GP3630VQ/V002 (Billing reference: DP3338JA)	22/10/18	Varied and consolidated permit issued in modern condition format.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 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/GP3630VQ

Issued to

A.E. & W.A. Farr Limited (“the operator”)

whose registered office is

Newnham Manor

Newnham

Baldock

Hertfordshire

SG7 5LA

company registration number 00605374

to operate an installation at

Vine Farm Poultry Unit

Edworth Road

Langford

Biggleswade

SG18 9TA

to the extent set out in the schedules.

The notice shall take effect from 22/10/18

Name	Date
Tom Swift	22/10/2018

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit EPR/GP3630VQ 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/GP3630VQ

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/GP3630VQ/V002 authorising,

A.E. & W.A. Farr Limited (“the operator”),

whose registered office is

Newnham Manor

Newnham

Baldock

Hertfordshire

SG7 5LA

company registration number 00605374

to operate an installation at

Vine Farm Poultry Unit

Edworth Road

Langford

Biggleswade

SG18 9TA

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

Name	Date
Tom Swift	22/10/2018

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; and
 - (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 activity (*activities*) authorised by the permit is (*are*) the activity (*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.

2.5 Pre-operational conditions

- 2.5.1 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table have been completed.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points 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

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 336,000 broiler places. Or The rearing of poultry in a facility with a capacity for 442,000 broiler places. [1]	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
Biomass boiler	Operation of 2 biomass boilers with an aggregated thermal rated input not exceeding 2 MWth, 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.
Note 1 - Following the completion of the pre-operational measures for future development PO1 as referenced in Table S1.4, the capacity for the rearing of poultry in a facility will increase to 442,000 broiler places.		

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/GP3630VQ/A001	Responses to Part B3.5 of the application form and referenced supporting documentation. Response to request for information regarding a housing and drainage plan, and an accident management plan. (Email – dated 28/06/2015)	28/06/15
Application EPR/GP3630VQ/V002	Responses to Part C3.5 of the application form and referenced supporting documentation.	Duly made 27/02/18
Response to Schedule 5 Notice dated 12/04/18	Odour Management Plan (reference: High Risk Odour Management Plan Vine Farm).	31/08/18

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The operator shall carry out smoke testing within a poultry shed during a period of depopulation. The method of the smoke testing is to be agreed with the Environment Agency before it commences. Based on the results of the smoke testing, the operator shall submit a report to the Environment Agency. The report shall include: <ul style="list-style-type: none"> • The results of the smoke testing; and • An action plan for improvements to the site based on the results of the smoke testing. 	Within 3 months of the permit variation issue (EPR/GP3630VQ/V002)

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	The action plan within the report will be approved by the Environment Agency.	
IC2	The operator shall review the Odour Management Plan and Odour Monitoring Procedure and update with specific further measures for odour control. The operator shall submit the updated Odour Management Plan and Odour Monitoring Procedure to the Environment Agency for approval.	Within 6 months after the commencement of stocking poultry houses 9 and 10.

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
PO1	Stocking of animals within poultry house 9 and 10 and stocking above 336,000 animal places.	<p>Prior to stocking above 336,000 animal places (or placing any birds in Houses 9 and 10), the operator shall submit a report demonstrating the successful implementation of the Odour Management Plan (OMP) (as referenced in Table S1.2, dated 31/08/18) for 3 complete cycles of broiler growth.</p> <p>The period of 3 cycles must be agreed with the Environment Agency prior to commencement. During this period of 3 cycles the Environment Agency will attend the site during each depopulating phase.</p> <p>The summary report shall demonstrate that the implementation of the OMP has resulted in odour emissions from the activities being free from odour at levels likely to cause pollution outside the site as perceived by an authorised officer of the Environment Agency.</p> <p>The report shall include:</p> <ul style="list-style-type: none"> • a review of the effectiveness of the Odour Management Plan over 3 whole cycles of broiler growth including depopulation periods; • a review of the monitoring results and the effectiveness of the monitoring procedure; and, • a summary of any additional improvements for effective odour control that were identified during the 3 cycles of broiler growth and depopulation. <p>After depopulating at the end of the third cycle, the report shall be submitted to the Environment Agency in writing for approval.</p> <p>Bird numbers across the site shall not exceed 336,000, (and no birds placed in Houses 9 and 10) until the Operator receives written confirmation from the Environment Agency that the OMP and the measures within it are acceptable.</p>

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 units	Biomass chips or pellets comprising virgin timber, straw, miscanthus; or a combination of these.

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 plan ref 'Site Drainage Plan' of application EPR/GP3630VQ/V002	Poultry houses 1-10	---	---	---	---	---
Gable end fan outlets on poultry houses 1-10 as shown on the site plan ref 'Site Drainage Plan' of application EPR/GP3630VQ/V002	Poultry houses 1-10	---	---	---	---	---
Exhaust from standby generator as shown on the site plan ref 'Site Plan-OP-A' of application EPR/GP3630VQ/V002	Standby generator	---	---	---	---	---
Emissions from 2 biomass boilers as shown on the site plan ref 'Site Plan-OP-A' of application EPR/GP3630VQ/V002	Aggregated 2 MWth biomass boilers	---	---	---	---	---

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 west of poultry houses 1-10 as indicated on the drainage plan ref 'Site Drainage Plan' of application EPR/GP3630VQ/V002	Roof water from poultry houses 1-10 intercepted by French drains prior to discharge	---	---	---	---	---

Table S3.3 Process monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Limit (incl. Unit)	Monitoring frequency [1] [2]	Monitoring standard or method
Broilers in houses 1 to 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	Annually	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	Annually	Estimation using emission factors
	Dust	n/a	Annually	Estimation using emission factors
<p>Note 1 - For all existing housing permitted before 21/02/17 the monitoring is a requirement from 21/02/21.</p> <p>Note 2 - For poultry houses 9 and 10 monitoring will not be required before the completion of the pre-operational measure for future development PO1 as referenced in Table S1.4.</p>				

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	22/10/18
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	22/10/18
Dust atmospheric mass emission	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	22/10/18

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	
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	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

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

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

Part B – to be submitted as soon as practicable

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

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

“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.

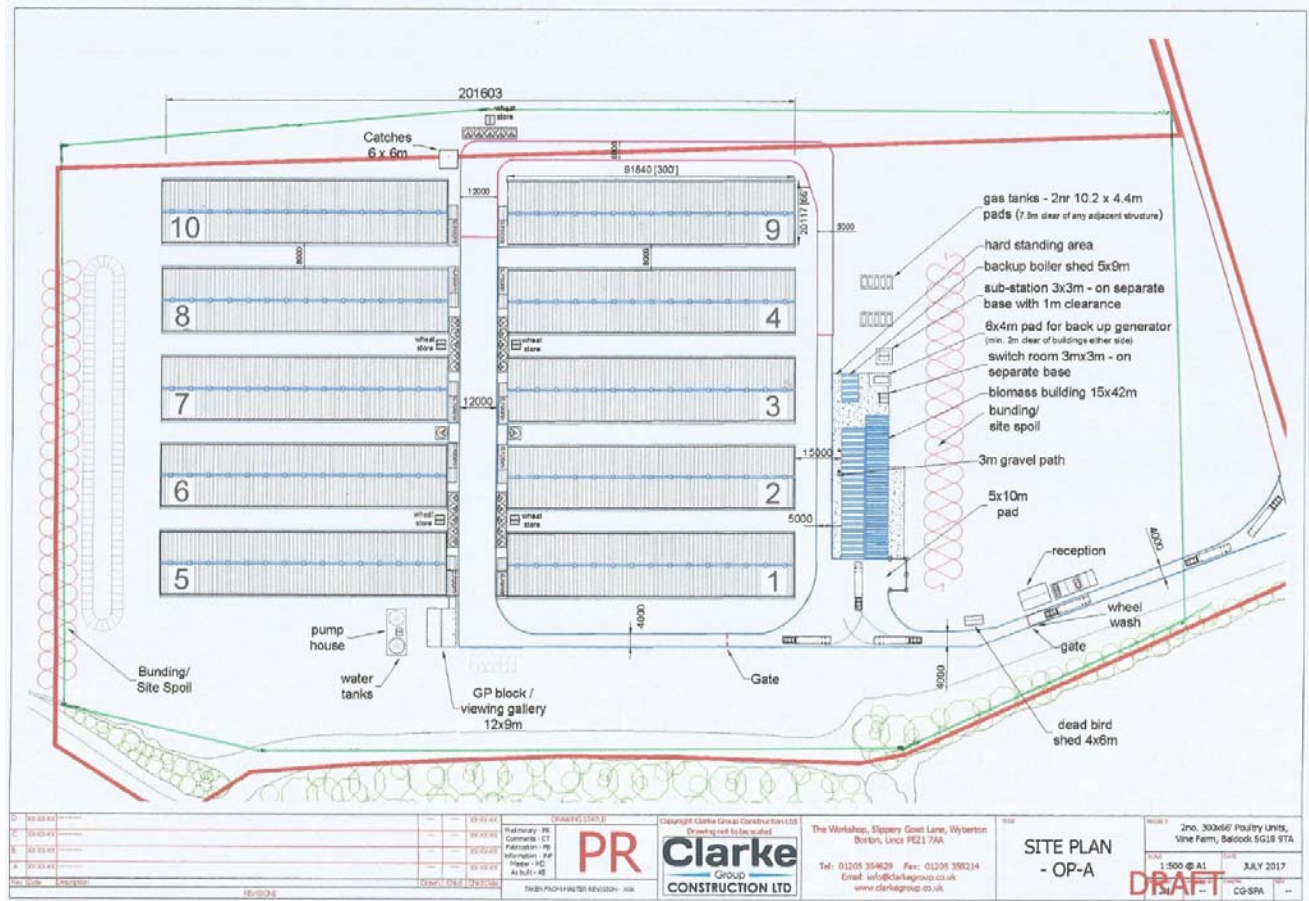
'Waste code' means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk

"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.



END OF PERMIT