



**Cyfoeth
Naturiol**
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**Natural
Resources**
Wales

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

G B Jones Limited

**Fron Bella Broiler Unit
Fron Bella
Pentrefoelas
Betws Y Coed
Conwy
LL24 0TE**

Permit number
EPR/AB3595CK

Fron Bella Broiler Unit

Permit number EPR/AB3595CK

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Fron Bella Broiler Unit is situated approximately 10 kilometres West South West from the village of Betws Y Coed. It is approximately centred on map reference SH 89808 52490.

The installation is to be operated by G B Jones Limited and will house a maximum of 150,000 broiler chickens. The birds will be brought to the site at approximately one day old and removed at approximately forty nine days old. The birds will be delivered and removed on an "All In, All Out" basis.

The Birds will be housed in three new buildings each of which will be constructed to the latest BAT standards. The buildings will be equipped with high velocity roof vents and will be heated by biomass fired boilers.

After the birds are removed the litter will be removed and spread on agricultural land. The buildings will then be cleaned, disinfected and dried prior to the next re-stocking of birds. All wash waters will be collected and disposed of appropriately.

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

Status log of the permit		
Description	Date	Comments
Application PAN-001085 received	21/11/16	Application for 150,000 broiler places installation permit.
Application PAN-001085 Additional information received	14/12/16	Updated supporting information, reports and plans
Application PAN-001085	Duly made 14/12/16	
Additional information requested	20/03/17	Request for vegetation habitat survey
Additional information received	31/05/17	Vegetation habitat survey and updated ammonia modelling
Permit determined	27/09/17	Permit issued

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number
EPR/AB3595CK

The Natural Resources Body for Wales (“Natural Resources Wales”) authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

G B Jones Limited (“the operator”),

whose registered office is

**St David’s Building
Lombard Street
Porthmadog
Gwynedd
LL49 9AP**

company registration number 7968502

to operate an installation at

**Fron Bella Broiler Unit
Fron Bella
Pentrefoelas
Betws Y Coed
Conwy
LL24 0TE**

to the extent authorised by and subject to the conditions of this permit as set out in Appendix 1 and in Appendix 2.

Signed

Date

<i>Stephen Attwood</i>	<i>27/09/2017</i>
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Authorised on behalf of Natural Resources Wales

APPENDIX 1

Sector Specific Conditions

Introductory note

This introductory note does not form a part of the Condition set

The conditions set out below are incorporated into this permit.

End of introductory note.

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
- (b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and

- (d) take any further appropriate measures identified by a review.

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

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

See Appendix 2.

2.3 Operating techniques

- 2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by Natural Resources Wales.
- (b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales for approval within the period specified, a revision of any 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 Natural Resources Wales.
- 2.3.2 The operator shall maintain and implement a system to record the number of animal places and animal movements.
- 2.3.3 The operator shall maintain and implement a system to record the quantities of solid manure or slurry exported from the installation, as defined on the site plan in schedule 7. The record shall include as a minimum:
- the date of export from the site
 - the quantity exported
 - details of the receiving site
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.
- 2.3.6 The operator shall ensure that a diet formulation and a nutritional strategy is used that minimises as far as is practicable the amount of Phosphorus and Nitrogen excreted.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in tables S3.2, S3.3 and S3.4.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures¹, 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 Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.
- 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.
- 3.2.4 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.

3.3 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 Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

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

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 Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables:
- (a) emissions specified in tables S3.1, S3.2, S3.3 and S3.4.
- 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.

3.6 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 Natural Resources Wales, submit to Natural Resources Wales for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard and annoyance from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by Natural Resources Wales, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by Natural Resources Wales.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.
- 4.2.2 The operator shall, unless notice under this condition has been served within the preceding four years, submit to Natural Resources Wales, 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
- (a) In the event that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately:
 - (i) inform Natural Resources Wales;
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident; and
 - (iii) take the measures necessary to prevent further possible incidents or accidents.
 - (b) In the event of a breach of any permit condition the operator must immediately:
 - (i) inform Natural Resources Wales; and,
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time.
 - (c) In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1, 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 Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.

4.3.4 Natural Resources Wales shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

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

In any other case:

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

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

- (a) Natural Resources Wales 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 Natural Resources Wales 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 "without delay", in which case it may be provided by telephone.

Schedule 1

Operations

See Appendix 2

Schedule 2

Waste types, raw materials and fuels

See Appendix 2

Schedule 3

Emissions and Monitoring

Table S3.1 BAT associated emission levels and monitoring requirements ^{Note 1}

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
Weaners	Nitrogen (N)	Excreted	4.0 kg N /animal place	Per year	Annually	Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total nitrogen and total phosphorus content
	Phosphorus (as P ₂ O ₅)	Excreted	2.2 kg P ₂ O ₅ /animal place	Per year	Annually	As above
	Ammonia (as NH ₃)	Animal house	0.53 kgNH ₃ /animal place	Per year	Annually	Estimation using emission factors

Table S3.1 BAT associated emission levels and monitoring requirements ^{Note 1}

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
Fattening Pigs	Nitrogen (N)	Excreted	13.0 kg N /animal place	Per year	Annually	Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total nitrogen and total phosphorus content
	Phosphorus (as P ₂ O ₅)	Excreted	5.4	Per year	Annually	As above
	Ammonia (as NH ₃)	Animal house	2.6	Per year	Annually	Estimation using emission factors
Sows (including suckling piglets)	Nitrogen (N)	Excreted	30.0 kg N /animal place	Per year	Annually	Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total nitrogen and total phosphorus content
	Phosphorus (as P ₂ O ₅)	Excreted	15 kg P ₂ O ₅ /animal place	Per year	Annually	As above
Mating and gestating sows	Ammonia (as NH ₃)	Animal house	2.7 kg NH ₃ /animal place	Per year	Annually	Estimated using excretion factors
Farrowing sows (including suckling piglets) with crates.	Ammonia (as NH ₃)	Animal house	5.6 kg NH ₃ /animal place	Per year	Annually	Estimated using excretion factors

Table S3.1 BAT associated emission levels and monitoring requirements Note 1

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
Laying hens	Nitrogen (N)	Excreted	0.8 kg N /animal place	Per year	Annually	Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total nitrogen and total phosphorus content
	Phosphorus (as P ₂ O ₅)	Excreted	0.45 kg/P ₂ O ₅ /animal place	Per year	Annually	As above
Laying hens in Caged housing	Ammonia (as NH ₃)	Animal house	0.08 kg NH ₃ /animal place	Per year	Annually	Estimation by using emission factors
Laying hens in Non caged housing	Ammonia (as NH ₃)	Animal house	0.13 kg NH ₃ /animal place	Per year	Annually	Estimation by using emission factors
Broilers	Nitrogen (N)	Excreted	0.6 kg N /animal place	Per year	Annually	Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total nitrogen and total phosphorus content
	Phosphorus (as P ₂ O ₅)	Excreted	0.25	Per year	Annually	As above
	Ammonia (as NH ₃)	Animal house	0.08 kg NH ₃ /animal place	Per year	Annually	Estimation by using emission factors

Table S3.1 BAT associated emission levels and monitoring requirements Note 1

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
Ducks	Nitrogen (N)	Excreted	0.8 kg N /animal place	Per year	Annually	Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total nitrogen and total phosphorus content
Turkeys	Nitrogen (N)	Excreted	2.3 kg N /animal place	Per year	Annually	Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or Estimation by using manure analysis for total nitrogen and total phosphorus content
	Phosphorus (as P ₂ O ₅)	Excreted	1.0	Per Year	Annually	As above

Note 1. There are no BAT emission factors specified for pullets.

Table S3.2 – Point source emissions to air emissions limits and monitoring requirements - see Appendix 2.

Table S3.3 – Point source emissions to water (other than sewer) – emission limits and monitoring – see Appendix 2.

Table S3.4 – Point source emissions to land – emission limits and monitoring – see Appendix 2

Schedule 4

Reporting

See Appendix 2

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 activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment	
To be notified within 24 hours	
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 permit condition	
To be notified within 24 hours	
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) In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment:	
To be notified within 24 hours	
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 Natural Resources Wales 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.

“BAT” means “best available techniques” as detailed in the Commission Implementing Decision (EU) 2017/302 of 15 February 2017.

“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.

“emission factors” are figures which have been agreed in writing with Natural Resources Wales and can be used in specific calculations.

“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..*

“excretion factors” are figures which have been agreed in writing with Natural Resources Wales and can be used in specific calculations.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

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

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

“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 muck 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.

“Manure management plan” means the requirements described in Section 2.3 of SGN 6.09 How to Comply – Intensive Farming.

“Pests” means Birds, Vermin and Insects.

“SGN How to comply – Intensive Farming” The EPR Sector Guidance Note 6.09 for intensive pig and poultry farmers, version 2 published January 2010.

“year” means calendar year ending 31 December.

Schedule 7 – Site plan – see Appendix 2

APPENDIX 2

Site Specific Conditions

Introductory note

This introductory note does not form a part of the Condition set

The conditions set out below are incorporated into this permit.

End of introductory note.

2 Operations

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.

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 or pigs intensively in an installation with more than 40,000 places for poultry.	The rearing of poultry in a broiler facility.	To house a maximum capacity of 150,000 broiler birds. From receipt of birds, raw materials and fuels onto the site, to removal of birds and associated wastes from site.
Directly Associated Activity		
Biomass Boilers	Operation of 2 Biomass Boilers.	From receipt of raw materials and fuels, to release of combustion products to air and associated wastes removed from site. Boilers with a combined thermal rated input of 488kW for site heating.
Biomass CHP boiler	Operation of a Biomass Combined Heat and Power Boiler for site heating and power.	From receipt of raw materials and fuels, to release of combustion products to air and associated wastes removed from site. With a thermal rated input of 193.9kW
Dirty water tank	Storage of dirty water from washing of poultry houses.	Temporary storage of wash down water in a 30,000 litre tank.
Heat exchangers	The recovery of heat, using two heat exchangers.	Condensate may only be discharged to dirty water tank.
Fuel storage	Storage of fuel oil for standby generator and incinerator.	Temporary storage of fuel for use in back up in two tanks
Fallen stock incinerator	Incineration of fallen stock produced on site	Incineration of fallen stock produced on site

Table S1.1 activities

Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Chemical storage	Storage of chemicals for use on site	Temporary storage of chemicals necessary for operation of the installation.

Table S1.2 Operating techniques

Description	Parts	Date Received
Application PAN-001085	Part B2 and B3 of the application and all referenced supporting documents.	21/11/16
Application PAN-001085	<p>Odour management plan "Fron Bella Farm, Pentrefoelas, Conwy LL24 0TE Odour Management Plan"</p> <p>Fron Bella Farm, Pentrefoelas,LL24 0TE Noise Management Plan</p> <p>Fron Bella Farm, Pentrefoelas,Conwy LL24 0TE CHP and Biomass Boilers Details and Accident Management Plan</p>	14/12/16

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Virgin timber (including wood chip and pellets), miscanthus	Not to include any waste material

Schedule 3 – Emissions and Monitoring

Table S3.2 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
Roof fan outlets on poultry sheds 1, 2 and 3 as shown on the site layout and drainage plan referenced: FB1(Final) received on 14 December 2016.	None set	Poultry shed 1 to 3	None set	None set	None set	None set
Gable end fan outlets on poultry sheds 1, 2 and 3 as shown on the site layout and drainage plan referenced: FB1(Final) received on 14 December 2016.	None set	Poultry shed 1 to 3	None set	None set	None set	None set
Chimney from carcass incinerator as shown on the site layout and drainage plan referenced: FB1(Final) received on 14 December 2016.	None set	Carcass incinerator	None set	None set	None set	None set
Exhaust from diesel boiler located as shown on the site layout and drainage plan referenced: FB1(Final) received on 14 December 2016.	None Set	Diesel boiler	None set	None set	None set	None set
Exhaust chimney from Biomass Combined Heat and Power boiler located as shown on the site layout and drainage plan referenced: FB1(Final) received on 14 December 2016.	None set	Biomass Combined Heat and Power Boiler	None set	None set	None set	None set

Table S3.2 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
Exhaust chimney from two Biomass Boilers located as shown on the site layout and drainage plan received with the application on 21 November 2016.	None set	Biomass Boilers	None set	None set	None set	None set

Table S3.3 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
None	None set	None set	None set	None set	None set	None set

Table S3.4 Point Source emissions to land – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Outlet from clean water drains discharging to soakaways as shown on the site layout and drainage plan referenced: FB1(Final) received on 14 December 2016.	None set	Clean, uncontaminated rainwater draining from the roofs of poultry houses and clean yard area	None set	None set	None set	None set

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
None set	None set	None set	None set

Table S4.2: Annual production/treatment

Parameter	Units
Live birds removed from site	Birds

Table S4.3 Performance parameters

Parameter	Frequency of assessment	Units
Ammonia	Annually	kg NH ₃ /animal place/year
Total Nitrogen excreted	Annually	kg N excreted/animal place/year
Total Phosphorus excreted	Annually	kg P ₂ O ₅ excreted/animal place/year

Table S4.4 Reporting forms

Media/parameter	Reporting format	Date of form
kg NH ₃ /animal place/year	Form Air 1 or other form as agreed in writing by Natural Resources Wales	DD/MM/YY
kg N excreted/animal place/year and kg P ₂ O ₅ excreted/animal place/year	Form N&P Excretion 1 or other form as agreed in writing by Natural Resources Wales	DD/MM/YY

Schedule 7 - Site plan

Site plan



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The diagram illustrates a farm layout with various buildings and infrastructure. A legend in the top left corner defines symbols: red arrows for 'DIRTY WATER', blue arrows for 'YARD / ROOF WATER', and pink circles for 'FEED SILOS'. A north arrow points upwards, labeled 'North'. The layout includes a 'Farm Entrance Road' at the top, a 'Car Park' on the right, and a 'Fence' line. Buildings are numbered 1 through 16. 'SHED 1' and 'SHED 2' are central structures. 'Potential Future Shed 3' is an orange hatched area. 'MARSH AREA / SOAKAWAY' is shown in two locations, DP1 and DP2. A 'Hut & Entrance Gate' is located near the car park. A 'slope' is indicated near building 9. Buildings 1, 5, 9, 16, and 8 are marked with 'X', indicating they are to be removed. Red arrows show the flow of dirty water, and blue arrows show the flow of yard/roof water. Feed silos are located near buildings 10, 12, 13, 14, 15, and 16.

No.	Building	No.	Building
1	Environmental Control Building and Biosecurity Controls	10	Borehole and Water Tank
2	Existing Farm yard Manure Shed	11	Vehicle Turning Area and car parking
3	CHP Boiler, Biomass Boiler and Biomass Fuel Store	12	Incinerator
4	Hardstanding	13	Boiler
5	Concrete Apron with Drains to Effluent Tank	14	2 No. Diesel Tanks for Incinerator and Standby Generator
6	30,000 litre Washdown / Effluent Storage Tank	15	2 No. Heat Exchangers
7	Penstock for Drainage Diversion	16	Welfare Facilities
8	Existing Effluent tank for Farm Yard Manure store	X	Fire Extinguisher locations
9	Secure Chemical & Medicine Store	R	Gable End Fans
DP1	Surface Water Discharge Point 1	DP2	Surface Water Discharge Point 2

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