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Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Greenway Poultry Limited

**Highgrove Farm
Llanhamlach
Brecon
Powys
LD3 7SU**

Permit number
EPR/AB3099ZU

Greenway Poultry Limited

Permit number EPR/AB3099ZU

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Greenway Farm is in a rural area approximately 200m to the north-north west of the village of Llanhamlach in Powys. The surrounding land is primarily used for arable farming although there are some meadows and wooded areas.

The installation is operated by Greenway Poultry Limited. The operator is permitted to grow; 230,000 broiler chickens or 28,000 male turkeys or 50,000 female turkeys. Birds are placed in sheds using a stocking density of birds per square meter. Only one type of bird will be grown at any one time.

Wood shavings or straw is spread on the floor, drinkers and feeder lines are lowered to adjust for the height of the young birds. Broilers are reared from one day old until slaughter (approximately 42 days). Turkey poults come in as day olds and leave the farm and go to a Grow-out-farm after 38 – 42 days.

During this turn around period the sheds are emptied of birds, upon depletion of the site the farm is 'mucked out', washed down and disinfected before beginning a new cycle. Fresh shavings are then added for the next crop of turkeys or broilers.

The sheds in which the birds are stored vary in age from new build to 25 years old, sheds 1 & 2 are of wooden construction with exterior wooden cladding sitting on a concrete block dwarf wall. The roofs are clad roof box profile with a polyester coating. Shed 3 and the new build sheds 4, 5 & 6 are of steel construction with exterior wooden cladding sitting on a concrete block dwarf wall. The roofs are clad roof box profile with a polyester coating. Areas in front of the sheds are concreted and slope towards an underground sump.

Ventilation on sheds 1 and 2 is by high velocity ridge extraction fans and shed 3 is by side mounted extraction fans with ridge inlet vents. High velocity gable fan ends with chimneys are also included. These fans manage 75% of the extraction from the sheds. Ventilation from sheds 4, 5 & 6 is by high velocity roof fans with side wall intake. The temperature is maintained by using gas heater brooders that are thermostatically controlled.

Bell drinker lines are fitted in the sheds and are used to reduce wastage of water and to maintain dry litter.

Upon depletion of the site, spent litter is stored and spread to land following the operators approved manure management plan. Once cleared of litter the sheds are washed and disinfected. All waste water is directed via internal sumps in the shed to underground waste water catchment tanks. The waste water tanks are emptied and disposed of via land spread. The sheds are allowed to dry before new bedding is laid down in preparation for the new crop.

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 received EPR/PP3535RC/A001	Duly made 19/11/15	Application for intensive farming installation.
Schedule 5 notice issued – request additional air modelling	15/01/16	Modelling and assessment of emissions of odour and ammonia requested.
Additional information received	29/01/16	Modelling and assessment of emissions of odour and ammonia requested.
Permit determined EPR/AB3099ZU	05/05/16	
Variation issued EPR/AB3099ZU/V002	29/01/2018	Natural Resources Wales Variation and consolidation following the implementation of the Intensive Farming BAT conclusions.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number
EPR/AB3099ZU

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/AB3099ZU/V002 authorising,

Greenway Poultry Limited (“the operator”),

whose registered office is

**Highgrove Farm
Llanhamlach
Brecon
Powys
LD3 7SU**

company registration number **5000404**

to operate an installation at

**Greenway Farm
Llanhamlach
Brecon
Powys
LD3 7YA**

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
Holly Noble	29/01/2018

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, water, fuel and electrical energy 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 and S3.3.

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 and 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.

3.6 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 A report or reports on the performance of the activities over the previous year shall be submitted to Natural Resources Wales by 31 January (or other date agreed in writing by Natural Resources Wales) 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; and
 - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 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 <small>Note 1 and note 2</small>						
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 kg NH ₃ /animal place	Per year	Annually	Estimation using emission factors

Table S3.1 BAT associated emission levels and monitoring requirements Note 1 and note 2

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 kg P ₂ O ₅ /animal place	Per year	Annually	As above
	Ammonia as NH ₃	Animal house	2.6 kg NH ₃ /animal place	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 and note 2

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 <small>Note 3</small>	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 kg P ₂ O ₅ /animal place	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 <small>Note 1 and note 2</small>						
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 kg P ₂ O ₅ /animal place	Per Year	Annually	As above

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

Note 2. The limits specified in this permit only apply after 20 February 2021

Note 3. For poultry houses operational on 21 February 2017 using a forced ventilation system and an infrequent manure removal (in case of deep litter with a manure pit), in combination with a measure achieving a high dry matter content of the manure, the upper end of the BAT-AEL is 0.25Kg NH₃/ animal place / year.

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 published on 21 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.

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 Natural Resources Wales.
- 2.4.2 Except in the case of an improvement which consists only of a submission to Natural Resources Wales, the operator shall notify Natural Resources Wales within 14 days of completion of each improvement.

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) Rearing of poultry or pigs intensively in an installation with more than 40,000 places for poultry.	The rearing of poultry in a broiler and turkey's facility. Only one bird type permitted at any one time	To house a maximum capacity of 230,000 broilers and 50,000 female turkeys. From receipt of birds, raw materials and fuels onto the site, to removal of birds and associated wastes from site.
Directly Associated Activity		
Dirty water tank	Storage of dirty water from washing of poultry houses.	Temporary storage of wash down water in two 9.09 cubic meter tanks.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Response to Part B2 Q6a of the application – Site boundary & Layout plans.	22/09/15
Application	Response to Part B2 Q3d of the application – Site specific EMS (Doc ref: B2)	22/09/15
Application	Response to Part B2 Q6c – site condition report (Doc ref: B3)	22/09/15
Application	Non-Technical summary for site operations (Doc ref: B4)	22/09/15
Application	Response to Part B2 Q7 of the application – Assessment of Environmental Impacts (Doc ref: B5)	22/09/15
Application	Odour Management Plan (Doc ref: B6)	22/09/15
Application	Noise Management Plan (Doc ref: B7)	22/09/15
Application	Dust Management Plan (Doc ref: B11)	22/09/15
Application	Detailed Noise Modelling (Doc ref: B15)	22/09/15
Application	Detailed Ecology Assessment (Doc ref: B14)	22/09/15
Application	Waste Management Plan (Doc ref: B10)	22/09/15
Response to Schedule 5 notice dated 29/01/16	Revised Odour and Ammonia assessment and modelling.	29/01/16

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>The operator shall comply with the requirements of the BAT Conclusions listed below, as far as they are applicable to the installation, on or before 20 February 2021.</p> <p>These BAT Conclusions for the intensive rearing of poultry or pigs were published as a Commission Implementing Decision (EU 2017/302) in the Official Journal of the EU on the 21 February 2017.</p> <p>BAT Conclusions: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 19, 23, 24, 25, 26, 27, 29, 32, 34.</p>	20 February 2021
IC2	The operator shall submit a written report to Natural Resources Wales for approval, detailing compliance with the applicable parts of the BAT conclusions listed in IC1	20 May 2021

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Fuel oil (LPG)	Fuel Oil used for fuel on-site
Disinfectant/Detergent	Disinfectant and detergent delivered point of use to clean poultry sheds once birds have fully grown and moved off-site minimising storage on-site
Animal feed	Delivered to site throughout the growing process. All animal feed is stored in covered silo's
Rodenticides	Delivered to site as and when needed to manage pests within the site boundary
Herbicides	Delivered to site as and when needed
POM's	Delivered to site when required once veterinary advice is given
Veterinary vaccines	Delivered to site when required once veterinary advice is given
Diesel	Fuel Oil used for the farm generator – up to 1000L at any one time to be stored in a bunded tank
Animal feed	Delivered to site throughout the growing process. All animal feed is stored in sealed bins

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
Gable end fans on poultry houses EX1 to EX3 as shown on the site drawing plan in Doc B13 submitted on 19/11/15	None Set	Poultry house 3 (3 fans per house)	None	None set	None set	None set
High velocity ridge extraction fans on site plan in Schedule 7.	None Set	Poultry houses 1 and 2	None	None set	None set	None set
High velocity roof fans on poultry houses PR1 to PR3 as shown on the site drawing plan in Doc B13 submitted on 19/11/15	None Set	Poultry houses 4 to 6 (3 fans per house)	None Set	None set	None set	None set
Exhaust vents as shown on the site drawing plan in Doc B13 submitted on 19/11/15	None Set	Generator shed	None Set	None set	None set	None set

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

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Blue line from poultry houses 1-3 on site plan in Schedule 7. Clean water drain line).	None Set	Clean, Un-contaminated surface water run-off from the site.	None Set	None set	None set	None set
Blue line from poultry houses 1-3 via DV splitter on site plan in Schedule 7. Clean water drain line).	None Set	Clean, Un-contaminated surface water run-off from the site.	None Set	None set	None set	None set
Blue line from poultry houses 4-6 to attenuation pond on site plan in Schedule 7. Clean water drain line).	None Set	Clean, Un-contaminated surface water run-off from the site.	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.

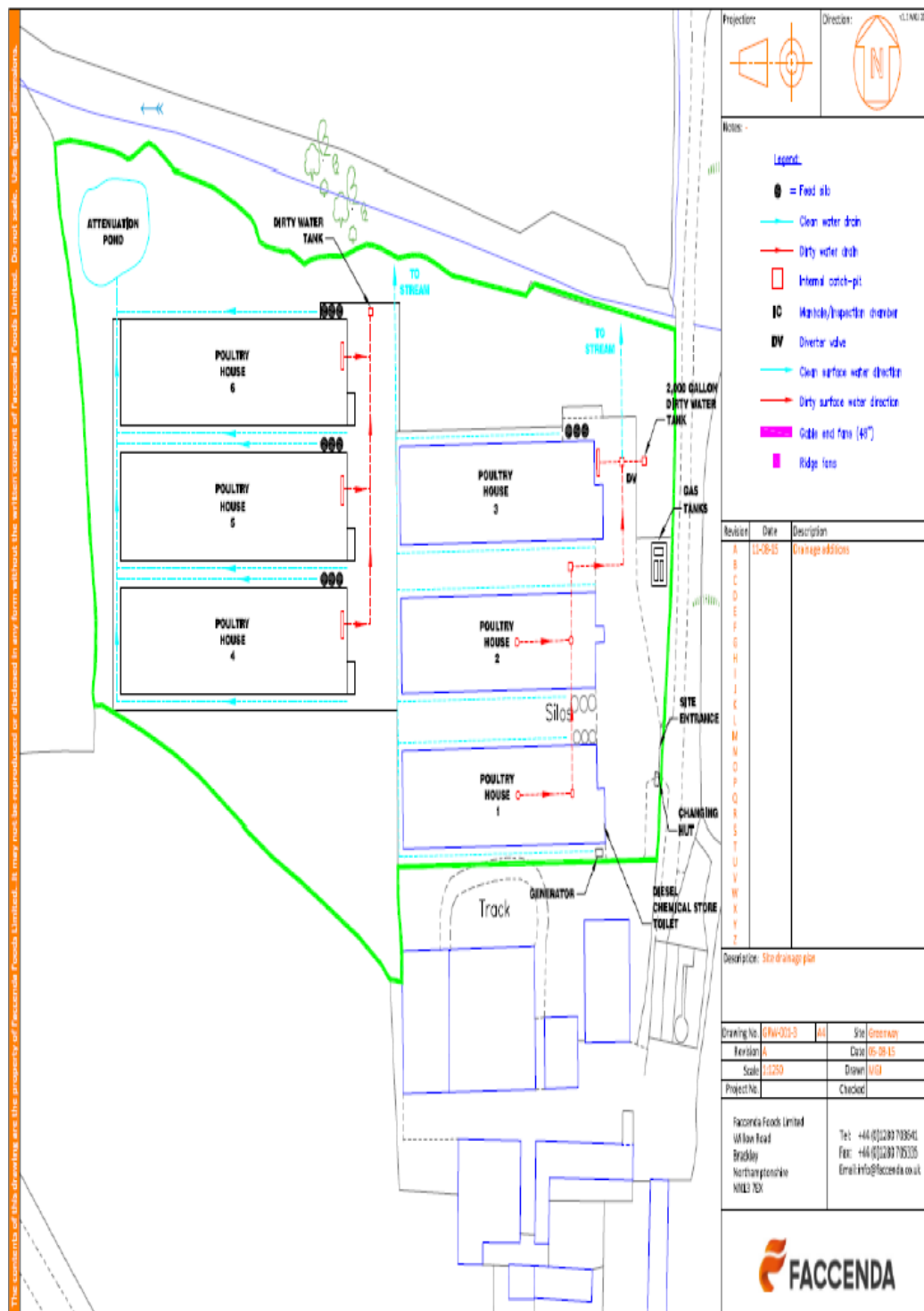
Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
As detailed in table S3.1 and as applicable to your operation	As detailed in table S3.1 and as applicable to your operation	Annually	1 January

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 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	29/01/2018
kg NH ₃ /animal place/year	Form Air 1 or other form as agreed in writing by Natural Resources Wales	29/01/2018

Schedule 7 - Site plan



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END OF PERMIT