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## Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

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Greenway Poultry Limited

Highgrove Farm  
Llanhamlach  
Brecon  
Powys  
LD3 7SU

Permit number  
EPR/AB3099ZU

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 Llanhamiach 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 cladded 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 cladded 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, 2 & 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 shed 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	

End of introductory note

# Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number  
**EPR/AB3099ZU**

The Natural Resources Body for Wales (“Natural Resources Wales”) authorises,  
under regulation 13 of the Environmental Permitting (England and Wales)  
Regulations 2010

**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.

Date	
	<b>05/05/16</b>

Eirian Macdonald

Authorised on behalf of Natural Resources Wales

Permit number  
EPR/AB3099ZU

# 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, 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**

- 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 operator shall ensure that:
- (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 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 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 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

- 2.3.4 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
- 2.3.5 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.
- 2.3.6 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

## **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 schedule 3 tables S3.1 and S3.2.
- 3.1.2 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 (excluding odour) 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 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.

### **3.3 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.

### **3.4 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, 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 Pests**

- 3.5.1 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.
- 3.5.2 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 or 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 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 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

**Table S1.1 activities**

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
A1	Section 6.9 A (1) (a) Rearing of poultry or pigs intensively in an installation with more than 40,000 places.	The rearing of poultry in a facility with a capacity for 230,000 broiler places or 50,000 female turkeys. Only one bird type permitted at any one time	From receipt of birds, raw materials and fuels onto the site to removal of birds and associated wastes from site
<b>Directly Associated Activity</b>			
A2	Two 9.09 cubic meter dirty water tanks	Storage of dirty water from washing of poultry houses	Temporary storage of wash down water

**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

## 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 S3.1 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 houses 1 to 3 (3 fans per house)	None Set		No Monitoring Required	
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		No Monitoring Required	
Exhaust vents as shown on the site drawing plan in Doc B13 submitted on 19/11/15	None Set	Generator shed	None Set		No Monitoring Required	

**Table S3.2 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		No Monitoring Required	
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		No Monitoring Required	
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		No Monitoring Required	

## **Schedule 4 - Reporting**

There is no reporting under this schedule

# Schedule 5 - Notification

These pages outline the information that the operator must provide.

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

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

## Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

<b>(a) Notification requirements for any activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment</b>	
<b>To be notified Immediately</b>	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

<b>(b) Notification requirements for the breach of a permit condition</b>	
<b>To be notified immediately</b>	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

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

<b>(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:</b>	
<b>To be notified immediately</b>	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

## Part B - to be submitted as soon as practicable

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

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* authorised to sign on behalf of the operator

## Schedule 6 - Interpretation

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

“*annually*” means once every year.

“*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.

“*background concentration*” means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

“*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.

“*EP Regulations*” means The Environmental Permitting (England and Wales) Regulations SI 2010 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.

“*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 or background concentration limit.***

“*grade A “clean” recycled wood*” means wood meeting grade A as specified in PAS 111:2012 Specification for the requirements and test methods for processing waste wood.

“*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.

“*Manure and slurry*” has the meaning given in TGN How to Comply.

“*notify without delay*” and “*notified without delay*” means that a telephone call can be used, whereas all other reports and notifications must be supplied in writing, either electronically or on paper.

“*Pests*” means *Birds, Vermin and Insects*.

“*quarter*” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“*TGN How to comply*” *The IPPC Technical Guidance Note for intensive pig and poultry farmers, Version 1 published April 2006.*

“*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.

“*Waste code*” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“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.

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:  
in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content

Schedule 7 - Site plan

