



**Cyfoeth
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**Natural
Resources**
Wales

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Philip Rogers and Simon Rogers

**Upper Heath Poultry Unit
Upper Heath Farm
Presteigne
Powys
LD8 2HG**

Permit number
EPR/AB3093ZW

Upper Heath Poultry Unit

Permit number EPR/AB3093ZW

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Upper Heath Poultry Unit is situated approximately two kilometres from Presteigne in Powys. It is approximately centred on National Grid Reference 333266, 263325.

The installation is to be operated by Philip Rogers and Simon Rogers and will comprise two poultry houses, accommodating a maximum of 90,000 broiler chickens. Birds will be housed at day old and depopulated with 35% of the birds thinned at around thirty-three days and the remainder taken at approximately thirty-nine days of age with nine days empty, which will give 7.5 cycles per annum, producing around 700,000 birds per annum. The birds will be delivered and removed on an "All In, All Out" basis, which means that the entire flock will be removed from both houses before a new flock cycle begins. As a result, there will be no overlap between different flocks of birds.

Before bird arrival the houses will be pre-warmed with hot water heaters fuelled by one biomass boiler with a total thermal input of 600kw, with back up LPG heating. Floors will be covered to a minimum depth of 2 cm of bulk shavings. Temperature and humidity will be closely monitored on a daily basis to achieve a target level of 21° C post brooding and a relative humidity of 55-60%, this should achieve litter with a dry matter content of between 60-70%, which is important to minimising emissions. Birds are fed a minimum of three diets during their growth, with gradually reducing levels of protein and phosphorous as bird age increases.

At depletion the litter will be removed from the site and spread on operator-controlled land. The site will then be pressure washed, disinfected and dried out prior to the cycle beginning again. All poultry house wash waters will be contained in a separate sealed system and directed to a sealed underground tank. Lightly contaminated water from yard washing during the cleanout process will be directed to a separate sealed underground tank by means of a diverter valve.

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 EPR/WP3734VB/A001	Duly made 03/04/14	Application for Installation.
Request for information Schedule 5 notice	31/07/14	

Status log of the permit		
Description	Date	Comments
	05/08/14	Response to Schedule 5 received
Additional information received	16/09/14	Revised odour modelling received
Additional information received	26/11/14	Plant noise assessment report
Additional information received	10/03/15	Revised documents received: Site Plan, Technical Standards, Contingency Plan, Emergency Plan, Noise Management Plan, Noise Assessment, Odour Management Plan, Odour Assessment, Non-technical Summary.
Additional information requested	28/05/15	Clarification requested for various aspects of the revised management plans
Additional information received	14/06/15	Revised documents received: Contingency Measures, Emergency Plan, Fugitive Emissions, Noise Assessment, Noise Management Plan, Non-technical summary, Odour Assessment, Odour Management Plan, Technical Standards, Site Plan.
Additional information requested	06/07/15	Clarification on ridge fan specification
Additional information received	07/07/15	Updated Technical Standards document and clarification provided on correct fan specifications.
Additional information requested	14/07/15	Clarification on gable fan specification & odour modelling for house clean out
Additional information received	14/07/15	Confirmation that gable end fans will not be used. Confirmation that odour modelling is representative of house clean out times.
Additional information received	25/08/15	Further clarification on proposed operational details
Additional information received	26/08/15	Clarification on definition of "post brooding" with regard to target temperature. Also further clarification regarding watering birds under emergency conditions.
Additional information received	01/09/15 & 02/09/15	Specification for Attenuators on Roof Mounted Ventilation Fans & confirmation that 36 will be fitted

Status log of the permit		
Description	Date	Comments
Additional information requested	22/09/15	Request for revised Noise Impact Assessment showing frequency and number of fans operated at different ambient external temperatures & assessment of other activities to be carried out on installation. Additional demonstration of BAT for noise, emergency generator attenuation details, calculations supporting dirty water tank capacities and details of equipment used to empty the 25,000-litre dirty water tank.
Additional information received	16/10/15	Wash water tank calculations, wash tank emptying procedure, updated site plan, emergency generator sound rating details, and revised Plant Noise impact assessment report
Additional information received	18/10/15	BAT document for noise
Additional information requested	23/10/15	Revised noise impact assessment including all the receptors that were included in original noise impact assessment report & noise data files underpinning the revised noise impact assessment.
Additional information received	27/10/15	Revised noise impact assessment including all receptors addressed in original noise impact assessment report
Additional information received	30/10/15	Excel file of calculations underpinning the noise assessment
Additional information received	08/11/15	Emergency generator specification and quotation
Additional information received	09/11/15	Further clarification regarding noise survey, Excel file of free field noise monitoring & Shobdon Met data
Additional information received	10/11/15	Noise monitoring instrumentation calibration certificates
Additional information received	18/12/15	Further analysis of Met data & amended noise impact assessment report containing corrected temperature range occurrences table.
Permit EPR/WP3734VB determined	27/01/16	Permit issued to Philip Rogers and Simon Rogers
Application EPR/AB3093ZW/V002	Duly Made	Application to increase bird numbers to 90,000 and install one biomass boiler.
Additional information received	24/04/18	Up to date odour modelling report

Status log of the permit		
Description	Date	Comments
Additional information received	08/05/18	Updated site drainage plan with biomass boiler
Permit EPR/AB3093ZW/V002 determined	13/07/2018	Permit Issued 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/AB3093ZW

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/AB3093ZW/V002 authorising

Philip Rogers and Simon Rogers (“the operator”),

whose principal office is

**Upper Heath Farm
Presteigne
Powys
LD8 2HG**

to operate an installation at

**Upper Heath Poultry Unit
Upper Heath Farm
Presteigne
Powys
LD8 2HG**

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	13/07/2018

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 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.
- 2.3.1 (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.
- 2.3.7 Any raw materials or fuels listed in appendix 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.8 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in appendix 2 table S2.2; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.9 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

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 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.

3.2.4 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 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 ^{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
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

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
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
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

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 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 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
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

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
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.

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) 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 90,000 birds. From receipt of birds, raw materials and fuels onto the site, to removal of birds and associated wastes from site.
Directly Associated Activity		
Wash Water Collection	2 x below ground dirty water tanks (25,000 litres and 10,000 litres capacity respectively), shown on Upper Heath Farm Layout / Drainage Plan in Schedule 7 of this Permit	Collection of poultry house wash water in a 25,000 litre tank and collection of yard wash water in 10,000 litre tank, pending off-site removal as soon as possible by farm vacuum tanker.
Biomass Boiler	Operation of one Biomass Boiler with a thermal rated input of 600kW for site heating.	From receipt of raw materials and fuels, to release of combustion products to air and associated wastes removed from site.
Feed silos	Feed storage	Feed is stored in 4 vermin proof steel galvanised bins.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/WP3734VB/A001	The contents of the documents entitled: "Minimising Water Use"	03/04/14
Additional information received	Email from Agent confirming that gable end fans will not be installed.	14/07/15
Additional information received	"Odour Management Plan for Upper Heath Farm" (version 7, July 2015)	15/07/15
Additional information received	The contents of the documents entitled: "Contingency Measures for Upper Heath Farm" (version 7, July 2015) "Upper Heath Farm Emergency Plan" (version 7, July 2015) "Fugitive Emissions at Upper Heath Farm" (version 7, July 2015) "Noise Assessment Upper Heath Poultry Unit" (version 7, July 2015) "Non-technical Summary" (version 7, July 2015) "Odour Assessment for Upper Heath Farm" (version 7, July 2015) Also, Email from agent confirming times taken for thinning a destocking operation.	22/07/15
Additional Information Received	"Noise Management Plan" (version 7, July 2015) "Technical Standards at Upper Heath Farm" (version 8, July 2015)	23/07/15
Additional Information Received	Email from Agent confirming: no overlap of different flocks, 42 days is maximum bird age, no fallen stock incinerator on site, arrangements and timing of de-littering, method for introducing additional bedding, feeding and watering arrangements in event of failure of feeders and water supply and no on-farm vehicles to be used during growing cycle with the exception of a forklift truck for moving pallets of shavings into the houses prior to bird placement. (Off farm vehicles, such as lorries delivering feed are excluded from this).	25/08/15
Additional Information Received	Email from Agent clarifying definition of "post brooding" with regard to target temperature. Also further clarification regarding watering birds under emergency conditions.	26/08/15
Additional Information Received	Response to Schedule 5 Notice dated 22nd September 2015, specifically documents entitled: "Upper Heath Farm Wash Waters" "Upper Heath Wash Tank Emptying Procedure".	16/10/15
Additional information received	Document entitled: "Application of Best Available Techniques for Noise at Upper Heath Farm"	18/10/15
Additional information received	Matrix Noise Impact Assessment (18th December 2015), specifically section 5.3 extract fan operation and section 5.4 emergency generator operation.	18/12/15
NRW Guidance	How to comply with your environmental permit for Intensive Farming (SGN6.09)	NRW website version
Application EPR/AB3093ZW/V002	Application documents	10/01/18
Additional information received	Odour modelling report	24/03/18
Additional information received	Updated non-tech summary correcting the crop cycle length	17/05/18
Best available techniques	Best available techniques as described in BAT conclusions under Directive 2010/75/EU of the European Parliament and of the Council on industrial emissions for Intensive Farming installations.	N/A

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>Following successful commissioning and establishment of routine operation, the Operator shall undertake noise monitoring at Receptors A, B and C (identified in the Matrix Noise Impact Assessment Report M1319/R02b dated 18th December 2015). The purpose of this is to verify the actual sound generated at sensitive receptors from all of the noise sources and operating scenarios within the installation and considered in the December 2015 Matrix report. This work shall include:</p> <ul style="list-style-type: none"> • A full noise monitoring survey and assessment meeting the BS4142:2014 standard, • Measurements of sound generated at the installation associated with all of the noise sources and operating scenarios considered in the Matrix Noise Impact Assessment Report M1319/R02b dated 18th December 2015 • 1/3rd octave and narrow band (FFT) measurements to identify any tonal elements or low frequency noise. <p>Upon completion of the work, a written report shall be submitted to Natural Resources Wales. The report shall make reference to the predictions in the December 2015 Matrix report. If rating levels likely to cause adverse impact at sensitive receptors are detected, the report shall include an assessment of the most suitable abatement techniques, an estimate of the cost and a proposed timetable for their installation.</p>	Complete
IC2	<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</p>	20 February 2021
IC3	<p>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 IC2</p>	20 March 2021

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 chips and pellets), miscanthus or straw	Not to include any waste material

Table S2.2 Permitted waste types and quantities	
Waste Code	Description
Maximum Quantity	
None set	None set

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
High velocity roof fan outlets on the two poultry houses as shown on the site layout plan in schedule 7	None set	Poultry houses 1 and 2	None set	None set	None set	None set
Vent from LPG tank as shown on the site layout plan in schedule 7	None set	LPG tanks	None set	None set	None set	None set
Exhaust from generator as shown on the site layout plan in schedule 7	None set	Generator	None set	None set	None set	None set
Vent from oil tank as shown on the site layout plan in schedule 7	None set	Diesel tank	None set	None set	None set	None set
Exhaust chimney from One biomass boiler Located at 333269,263290	None set	Biomass boiler	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
Soakaways adjacent to the poultry houses as indicated on the site layout plan in schedule 7	None set	Uncontaminated rainwater draining from the roofs of the two poultry houses and 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
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

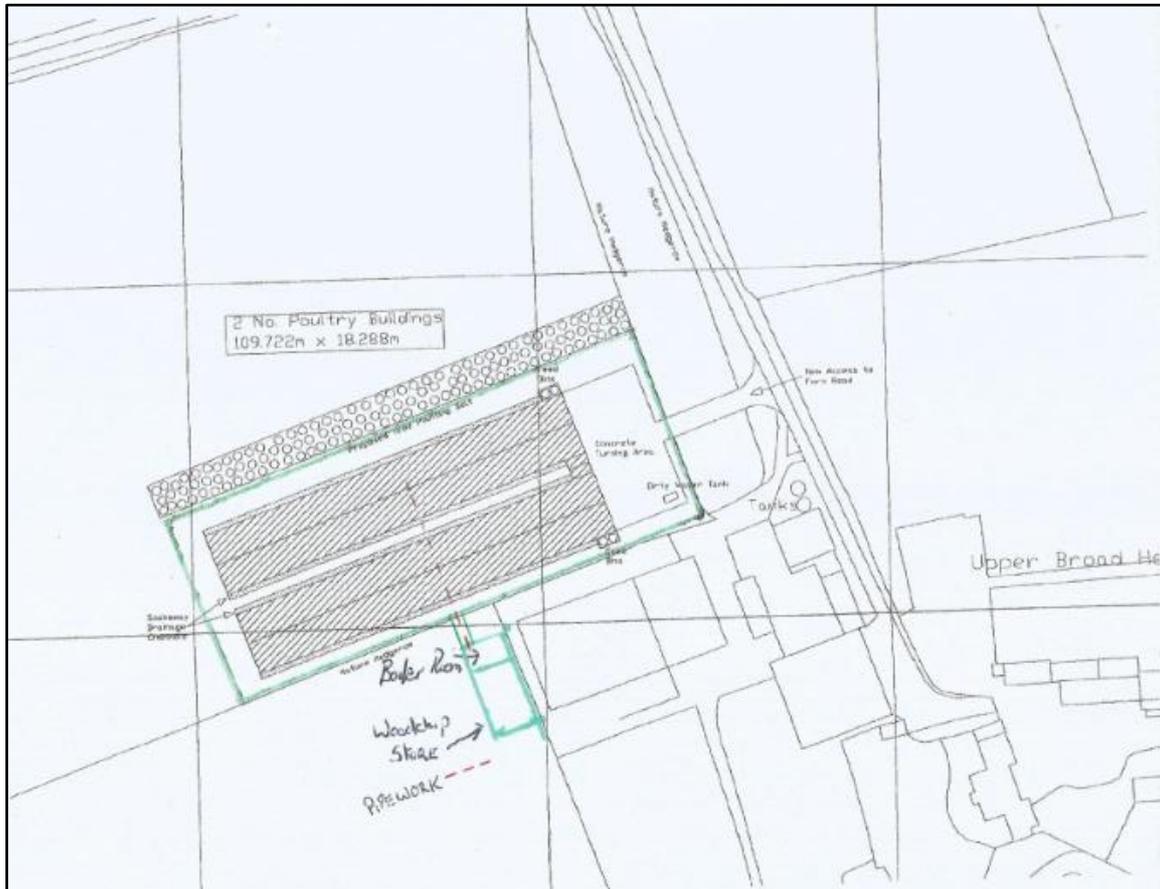
Table S4.2: Annual production/treatment	
Parameter	Units
Live birds removed from site	For each flock cycle: date of initial stocking, date of depopulation, date of start of house clean out, date of end of house clean out.

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	13/07/2018
kg NH ₃ /animal place/year	Form Air 1 or other form as agreed in writing by Natural Resources Wales	13/07/2018
Other performance indicators	Form Performance 1 or other form as agreed in writing by Natural Resources Wales	13/07/2018

Schedule 7 - Site plan

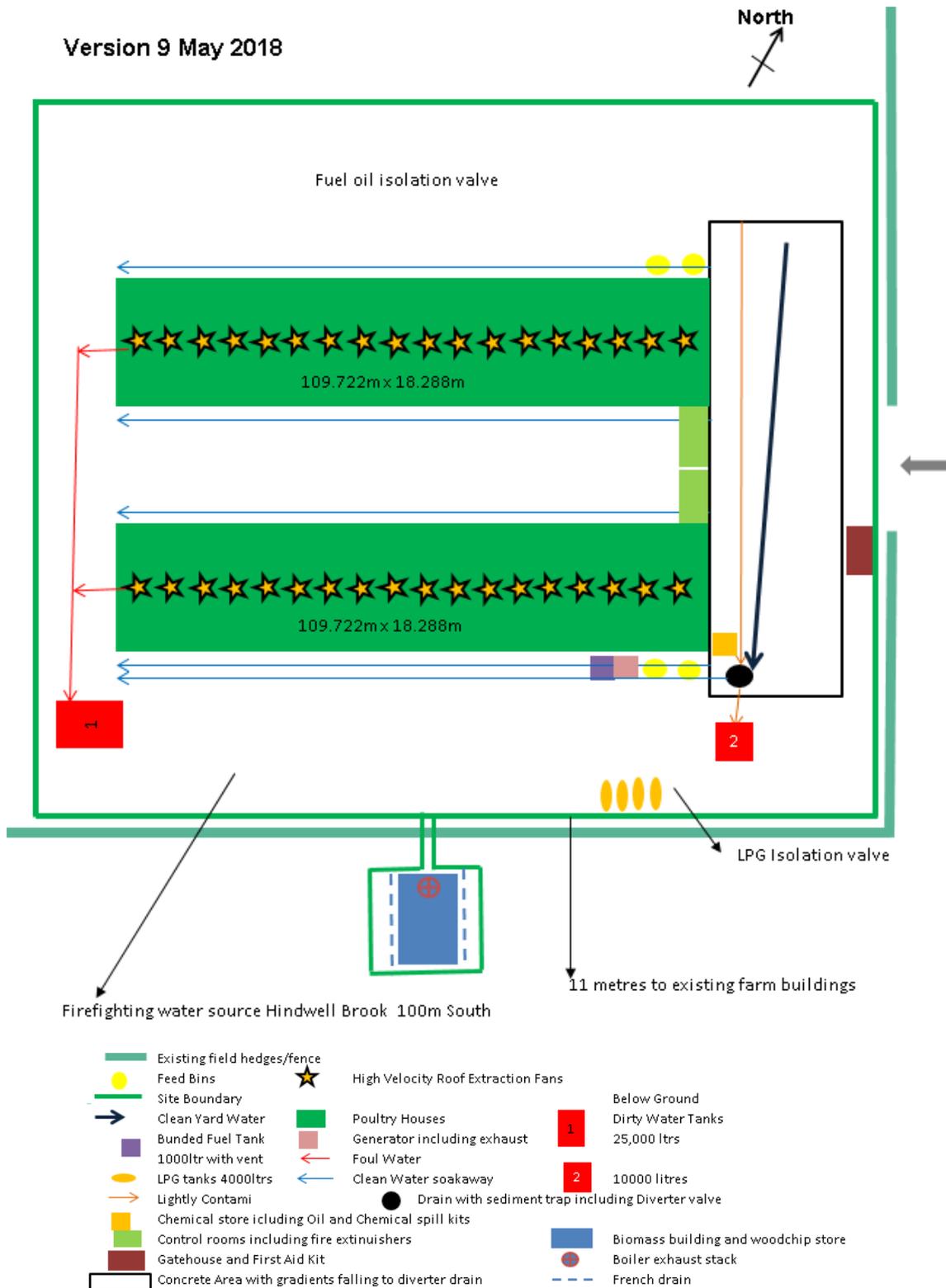
Site plan



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Site layout/drainage plan (not to scale):

Version 9 May 2018



END OF PERMIT