



# Notice of variation and consolidation with introductory note

## The Environmental Permitting (England & Wales) Regulations 2016

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International Energy Crops Limited

Hollins Lane Poultry Unit  
Hollins Lane  
Woodseaves  
Market Drayton  
Shropshire  
TF9 2AP

### **Variation application number**

EPR/NP3930JP/V005

### **Permit number**

EPR/NP3930JP

# Hollins Lane Poultry Unit

## Permit number EPR/NP3930JP

### Introductory note

#### **This introductory note does not form a part of the notice.**

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. All the conditions of the permit have been varied and are subject to the right of appeal.

#### **This variation authorises the following changes:**

- An increase in bird numbers from 260,000 to 464,000 broiler places.
- Addition of four new poultry sheds, numbered 5 to 8, and associated infrastructure.
- Addition of a second attenuation pond and discharge to ditch.
- Addition of air scrubber units on poultry houses 3 to 8.
- Addition of heat exchangers on houses 5 to 8.
- Addition of a ground source heating system.
- Increase to the installation boundary.
- Improvement condition IC1 added to table S1.3 of the Permit.
- Pre-operational conditions PO1 added to table S1.4 of the Permit.

We have reviewed the new housing introduced with the permit variation for this installation against the best available techniques (BAT) conclusions as defined in the intensive rearing of poultry or pigs (IRPP) BAT conclusions document, dated 21/02/17. The permit conditions and schedules ensure the compliance of the new housing with this BAT conclusions document. In addition, we have reviewed existing housing, permitted before 21/02/17, to ensure compliance.

#### **The rest of the installation is operated as follows:**

Hollins Lane Poultry Unit is centred on National Grid Reference SJ 69138 331597. The installation is located approximately 3 km southeast of Market Drayton, Shropshire.

The installation operated by International Energy Crops Limited consists of eight poultry buildings (4 poultry buildings with interlinking covered access), numbered 1 to 8, which provide a combined capacity for **464,000** broilers. The surrounding land use is principally arable cropping.

The birds arrive on site as day old chicks at a 50/50 mix of males and females. The average cycle length is 35 to 36 days with at least a 10 day turn around period. Thinning usually takes place at around 30 to 32 days. There are on average 7 crop cycles per annum. Before the chicks arrive, floors are covered with wood shavings or miscanthus, and the houses are heated using four biomass boilers, with an aggregated thermal rated input of 4.43 MWth. Four additional biomass boilers, with an aggregated thermal rated input of 4.43MWth, are used for drying approved biomass fuel via a drying floor, located at the northeastern end of the biomass building.

A ground source heat pump system operating on a closed loop provides fresh air to the birds. The system is completely sealed and is never cleaned out.

Poultry houses 1 and 2 are ventilated by roof fans with an emission point higher than 3.5 metres above ground level and an efflux speed at, or above, 3 metres per second.

For poultry houses 3 to 8, volumetric air flow rates in accordance with the ammonia modelling report reference 'Hollins Lane, Woodseaves Ammonia Emissions: Impact Assessment', dated January 2023 and

submitted 15/03/24, are drawn from the buildings and passed through air scrubber units located on each of these houses, with emission points at, or above, 5 metres above ground level and efflux speeds at, or above, 4.15 metres per second. In the event that the total volumetric air flow rates exceed the rates specified in the ammonia modelling report, additional air is exhausted through the ridge fans, with an emission point higher than 3.5 metres above ground level and an efflux speed at, or above, 3 metres per second.

All houses have additional gable end fans, although these are operated infrequently to maintain temperature, typically in the summer months.

Poultry houses 5 to 8 are also fitted with heat exchangers in order to optimise energy efficiency. Condensate from the heat exchangers will be directed to the dirty water tanks, for disposal with the dirty water.

Feed is stored in fully enclosed bins. Diets are formulated to suit stage of growth. Water is provided via nipple drinkers designed to minimise water leakage. Water usage in each house is monitored daily by meters.

Mortalities are collected daily and stored in sealed vermin proof containers awaiting collection by Animal Health Approved contractors, on a weekly basis, with increased collections over the summer period.

At the end of the cycle the houses are depopulated, washed and disinfected ready for the next cycle. Litter is not stored within the installation boundary. Litter is removed from the houses and taken off site to an anaerobic digestion (AD) plant for processing; litter is not stored within the installation boundary. Dirty water is directed to sealed underground tanks for storage, awaiting removal to the AD plant for processing.

Roof water from the poultry houses and biomass boiler building, intercepted by French drains, and water draining from the yards (excluding periods of washout when water from the yard drains to the underground tanks) discharges to a tributary of the Shropshire Union Canal, to the north-east of the installation boundary, via attenuation ponds.

There is one standby generator for use in the event of mains power failure, with a net thermal rated input of 0.6MWth, with bundled fuel store. The generator will not be tested for more than 52 hours per annum and will not be used for more than 500 hours per annum (emergency use and testing), averaged over a 3-year period. The generator falls outside of the requirements of the Medium Combustion Plant Directive.

There are two Sites of Special Scientific Interest (SSSI) within 5km of the installation, and six other nature conservation sites within 2km comprising of three Local Wildlife Sites (LWS) and three ancient woodlands. An assessment of the impact of emissions has been carried out and the installation is considered to have no adverse effect on the nature conservation sites.

This permit implements the requirements of the European Union Directive on Industrial Emissions.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	Date	Comments
Application EPR/FP3230AW/A001	Duly made 26/06/2015	Application for an intensive farming poultry installation permit.
Additional information received	10/07/2015	Confirmation regarding litter management and animal carcass removal.
Permit determined EPR/ FP3230AW	07/08/2015	Original permit issued to Harry Wilson, Keith Wilson, Ian Wilson and Lyn Wilson.
Application EPR/NP3930JP/T001 (full transfer of permit EPR/FP3230AW)	Duly made 19/09/2017	Application to transfer the permit in full to International Energy Crops Limited.
Transfer determined	13/10/2017	Full transfer of permit complete.

Status log of the permit		
Description	Date	Comments
Application EPR/NP3930JP/V002	Duly made 16/01/2018	Application to increase number of biomass boilers and increase site boundary.
Variation determined EPR/NP3930JP/V002	03/05/2018	Varied and consolidated permit issued in modern condition format.
Application EPR/NP3930JP/V003	Received 13/11/2019	Application to increase bird numbers to 464,000 broilers, add four new poultry houses and extend the installation boundary.
Application returned	11/02/20	Application returned as 'not duly made'.
Application EPR/NP3930JP/V004	19/04/2021	Application to increase bird numbers to 464,000 broilers, add four new poultry houses and extend the installation boundary.
Application EPR/NP3930JP/V004	08/09/2023	Application withdrawn.
Application EPR/NP3930JP/V005 (variation and consolidation)	Duly made 22/04/2024	Application to increase bird numbers to 464,000 broilers, add four new poultry houses, install a ground source heating system and extend the installation boundary.
Additional information received	25/06/2024	Details of ground source heating system and submission of revised supporting documents.
Additional information received	12/07/2024, 02/08/2024, 06/08/2024 and 07/08/2024	Schedule 5 response providing the following documents: <ul style="list-style-type: none"> <li>• Revised environment risk assessment.</li> <li>• Revised odour and noise management plans.</li> <li>• Details of proposed air scrubber units.</li> <li>• Revised site condition report.</li> <li>• Confirmation of BAT compliance.</li> <li>• Standby generator details.</li> <li>• Details regarding heat exchanger condensate disposal.</li> <li>• Revised site plan.</li> <li>• Revised site drainage plan.</li> <li>• Revised technical standards document.</li> <li>• Revised raw materials inventory</li> </ul>
Additional information received	13/07/2024 and 02/08/2024	Clarification with regards to the attenuation ponds.
Additional information received	02/08/2024	Clarification with regards to stack emission rates used in modelling.
Additional information received	26/09/2024, 03/10/2024, 08/10/2024 and 14/10/2024	Confirmation with regards to final design of air scrubber units, including critical monitoring parameters, acid containment and operating and maintenance documents.
Variation determined EPR/NP3930JP	15/10/2024	Varied and consolidated permit issued in modern condition format.

End of introductory note

# Notice of variation and consolidation

## The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

### Permit number

EPR/NP3930JP

### Issued to

**International Energy Crops Limited** (“the operator”)

whose registered office is

**Iec House  
Old Springs  
Market Drayton  
Shropshire  
TF9 2PG**

company registration number 07068348

to operate an installation at

**Hollins Lane Poultry Unit  
Hollins Lane  
Woodseaves  
Market Drayton  
Shropshire  
TF9 2AP**

to the extent set out in the schedules.

The notice shall take effect from 15/10/2024

Name	Date
<b>Stacey Tapsell</b>	<b>15/10/2024</b>

Authorised on behalf of the Environment Agency

## **Schedule 1**

All conditions have been varied by the consolidated permit EPR/NP3930JP as a result of the application made by the operator.

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/NP3930JP**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/NP3930JP/V005 authorising,

**International Energy Crops Limited** ("the operator"),

whose registered office is

**Iec House  
Old Springs  
Market Drayton  
Shropshire  
TF9 2PG**

company registration number 07068348

to operate an installation at

**Hollins Lane Poultry Unit  
Hollins Lane  
Woodseaves  
Market Drayton  
Shropshire  
TF9 2AP**

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

Name	Date
<b>Stacey Tapsell</b>	<b>15/10/2024</b>

Authorised on behalf of the Environment Agency

# Conditions

## 1 Management

### 1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, so far as is reasonably practicable, including those risks arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
  - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of the permit.

### 1.2 Energy efficiency

- 1.2.1 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities; and
  - (b) maintain records of fuel and energy consumption used in the activities.

### 1.3 Efficient use of raw materials

- 1.3.1 The operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities; and
  - (b) maintain records of raw materials and water used in the activities.

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

- 1.4.1 The operator shall take appropriate measures to ensure that the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities and that;
- (a) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
  - (b) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

## 2 Operations

### 2.1 Permitted activities

- 2.1.1 The only activity authorised by the permit is the activity specified in schedule 1 table S1.1 (the “activities”).



## **2.2 The site**

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

## **2.3 Operating techniques**

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 The operator shall maintain and implement a system to record the number of animal places and animal movements.
- 2.3.4 The operator shall ensure that a diet formulation and nutritional strategy is used to reduce the total nitrogen and total phosphorus excreted.
- 2.3.5 The operator shall take appropriate measures in disposal or recovery of solid manure or slurry to prevent, or where this is not practicable, to minimise pollution.
- 2.3.6 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.7 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
  - (b) the composition of the waste;
  - (c) the handling requirements of the waste;
  - (d) the hazardous property associated with the waste, if applicable; and
  - (e) the waste code of the waste.

## **2.4 Improvement programme**

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

## **2.5 Pre-operational conditions**

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

## **3 Emissions and monitoring**

### **3.1 Emissions to water, air or land**

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points specified in tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

### **3.2 Emissions of substances not controlled by emission limits**

- 3.2.1 Emissions of substances not controlled by emission limits shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits; and
  - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

### **3.3 Odour**

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

### **3.4 Noise and vibration**

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

### **3.5 Monitoring**

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1 and S3.2; and
  - (b) process monitoring specified in table S3.3.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

## **3.6 Pests**

3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.6.2 The operator shall:

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

## **4 Information**

### **4.1 Records**

4.1.1 All records required to be made by schedules 3, 4 and 5 to this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
  - (i) off-site environmental effects; and
  - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall maintain convenient access, in either electronic or hard copy, to the records, plans and management system required to be maintained by this permit.

### **4.2 Reporting**

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 For the following activities referenced in schedule 1, table S1.1 a report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.2; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

## 4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately :-
  - (i) inform the Environment Agency,
  - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
  - (iii) take the measures necessary to prevent further possible incidents or accidents; and
- (b) of a breach of any permit condition the operator must immediately :-
  - (i) inform the Environment Agency, and
  - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

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

Where the operator is a registered company:

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

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

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

In any other case:

- (e) the death of any of the named operators (where the operator consists of more than one named individual);

- (f) any change in the operator's name(s) or address(es); and
- (g) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.3.6 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.

## **4.4 Interpretation**

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

# Schedule 1 – Operations

Table S1.1 Activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section 6.9 A(1)(a)(i) Rearing of poultry intensively in an installation with more than 40,000 places	The rearing of poultry in a facility with a capacity for 464,000 broiler places.	From receipt of birds, raw materials and fuels onto the site to removal of birds and associated wastes from site.
Directly Associated Activity	Description of specified activity	Limits of specified activity
Biomass boiler for site heating requirements	Operation of 4 biomass boilers with an aggregated thermal rated input not exceeding 4.43 MWth burning biomass fuel not comprising waste or animal carcasses.	From receipt of raw materials and fuels, to release of combustion products to air and associated wastes removed from site.  Poultry house heating.
Biomass boiler for the drying of biomass, via a drying floor	Operation of 4 biomass boilers with an aggregated thermal rated input not exceeding 4.43 MWth, burning biomass fuel not comprising waste or animal carcasses.	From receipt of raw materials and fuels, to release of combustion products to air and associated wastes removed from site.  Drying of biomass chips or pellets comprising virgin timber, straw, miscanthus or a combination of these.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/FP3230AW/A001	Responses to Parts B2, B3 and B3.5 of the application form and referenced supporting documentation plus duly making responses including updated site location and site drainage plans.	Duly made 26/06/2015
Additional information requested 01/07/2015	Confirmation regarding carcass disposal and litter management.	10/07/2015
Application EPR/NP3930JP/V002	Responses to Part C3.5 of the application form and referenced supporting documentation plus duly making responses.	16/01/2018
Application EPR/AB1234CD/V00X (variation and consolidation)	Responses to Part C3.5 of the application form and referenced supporting documentation and additional information received in response to not duly made request for information including the following: <ul style="list-style-type: none"> <li>Confirmation of compliance with all relevant best available techniques (BAT) conclusions as defined in the intensive rearing of poultry or pigs (IRPP) BAT conclusions document, dated 21/02/17.</li> <li>Ammonia modelling report.</li> <li>Modelling data input files.</li> <li>Air scrubber unit odour reduction data.</li> </ul>	22/04/2024

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
	<ul style="list-style-type: none"> <li>• Air scrubber unit DLG test certificate, in support of ammonia modelling.</li> <li>• Heat exchanger information and test report.</li> </ul>	
Response to request for information dated 18/06/2024	Response providing details of ground source heating system.	25/06/2024
Response to schedule 5 notice dated 21/06/2024	Response to parts A to K providing the following documents: <ul style="list-style-type: none"> <li>• Revised environment risk assessment.</li> <li>• Revised odour and noise management plans.</li> <li>• Details of proposed air scrubber unit.</li> <li>• Revised site condition report.</li> <li>• Further details regarding BAT compliance.</li> <li>• Standby generator details.</li> <li>• Details regarding heat exchanger condensate disposal.</li> <li>• Revised site plan.</li> <li>• Revised site drainage plan.</li> <li>• Revised technical standards document.</li> <li>• Revised raw materials inventory.</li> </ul>	12/07/2024, 02/08/2024, 06/08/2024 and 07/08/2024
Response to request for information dated 12/07/2024	Clarification regarding the attenuation ponds.	13/07/2024 and 02/08/2024
Response to request for information dated 19/07/2024	Clarification regarding stack emission rate calculations.	02/08/2024
Response to request for information dated 19/09/2024	Confirmation regarding final design of air scrubber unit.	26/09/2024
Response to request for information dated 19/09/2024	Submission of the following air scrubber unit documents: <ul style="list-style-type: none"> <li>• Maintenance schedule.</li> <li>• Air scrubber servicing checklist.</li> <li>• INNO+ Air Scrubber Quick Reference Guide.</li> <li>• INNO+ user manual.</li> <li>• Email confirming scrubbers will be checked to ensure they are functional at the start of each cycle.</li> </ul>	08/10/2024
	Submission of the following revised air scrubber unit documents: <ul style="list-style-type: none"> <li>• Abatement document detailing critical control parameters, and monitoring of, storage and disposal of critical raw materials, and training provision to farm staff.</li> <li>• Abatement monitoring and acid containment document providing further acid containment information.</li> </ul>	14/10/2024
Response to request for information dated 01/10/2024	Confirmation that the heat exchangers proposed for poultry houses 5 to 8 will operate effectively with the proposed volumetric air flows.	11/10/2024

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC1	a) The operator shall undertake 12 months monitoring of the ammonia removal efficiency of the air scrubber units linked to poultry houses 3 to	a) Monitoring to commence

**Table S1.3 Improvement programme requirements**

Reference	Requirement	Date
	<p>8, following the method report as required in pre-operational measure PO1.</p> <p>b) Following completion of the monitoring in accordance with IC1 a), the Operator shall carry out a review of the monitoring data. A written report shall be submitted to the Environment Agency for approval. The report shall include the following:</p> <ul style="list-style-type: none"> <li>• Evidence that a reduction of at least 90% of ammonia emissions, between the inlet (untreated broiler houses air) and outlet (treated air) connection of the scrubber unit has been achieved.</li> <li>• Evidence that volumetric air flow rates in accordance with the ammonia modelling report, reference 'Hollins Lane, Woodseaves Ammonia Emissions: Impact Assessment', dated January 2023 and submitted 15/03/24, have been drawn from the building and passed through the air scrubber unit.</li> </ul> <p>c) If the report submitted in accordance with IC1 b) does not indicate a reduction of at least 90% of ammonia emissions between the inlet (untreated broiler houses air) and outlet (treated air) connection of the scrubber unit, and evidence that volumetric air flow rates in accordance with the ammonia modelling report have been treated by the air scrubber unit, the Operator shall submit a report in writing, including a timescale, to be agreed in writing by the Environment Agency, for the implementation of alternative mitigation measures to achieve the required total overall reduction of 81.3% of ammonia emissions from poultry houses 3 to 8, in accordance with the ammonia modelling report, or for a reduction in livestock to achieve the equivalent reduction in ammonia emissions, and proposals for further monitoring to demonstrate compliance with the required ammonia reduction if required.</p> <p>d) The Operator shall undertake the agreed measures, to the agreed timescales, detailed in the report submitted for IC1 (c).</p> <p>The improvement condition parts a), b), c) and d) shall only be deemed complete following agreement in writing by the Environment Agency.</p>	<p>from date of first operation of poultry houses 5 to 8.</p> <p>b) Report to be submitted within 1 calendar month from completion of IC1 a).</p> <p>c) Report to be submitted within 2 calendar months from completion of IC1 b).</p> <p>d) To timescale agreed in report submitted for IC1 c).</p>



**Table S1.4 Pre-operational measures for future development**

Reference	Operation	Pre-operational measures
PO1	Stocking above 260,000 bird places.	<p>a) At least 1 calendar month prior to the installation of monitoring equipment for monitoring ammonia emissions from the air scrubber units on the poultry houses, the operator shall submit a site-specific protocol (measurement plan) for measuring ammonia emissions from these houses. Monitoring equipment should be installed as a minimum on one of the air scrubber units linked to the existing houses (3 and 4) and one of the air scrubber units linked to the proposed houses (5 to 8).</p> <p>The protocol shall include the monitoring locations, frequency of monitoring and equipment for measuring ammonia concentration (<math>\mu\text{g}/\text{m}^3</math>), volumetric emission rate (<math>\text{m}^3/\text{s}</math>) and supporting parameters of temperature and pressure. The protocol shall demonstrate that the monitoring provides a representative sample of the emissions, using MCERTS standards, or equivalent, and uses monitoring equipment with proven performance criteria for this application. The protocol shall specify how the ammonia monitoring equipment is calibrated and serviced. A record of maintenance and calibration schedules shall be kept. The protocol shall also include a methodology to estimate the uncertainty of measurement, according to the principles of EN ISO 14956.</p> <p>The report shall be submitted to the Environment Agency in writing for approval.</p> <p>b) The operator must submit evidence to the Environment Agency for written approval that the air scrubber units, as detailed in EPR/NP3930JP/V005, have been installed and commissioned.</p> <p>The operator shall not stock above 260,000 bird places without written approval from the Environment Agency that all aspects of PO1 have been complied with.</p>

## Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Fuel for biomass boiler units	Biomass chips or pellets comprising virgin timber, straw, miscanthus; or a combination of these.

## Schedule 3 – Emissions and monitoring

<b>Table S3.1 Point source emissions to air – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
Roof fan outlets on poultry houses 1 to 8 as shown on the site plan in schedule 7	Poultry houses 1 to 8	---	---	---	---	---
Fan outlets from air scrubber units on poultry houses 3 to 8 as shown on the site plan in schedule 7	Poultry houses 3 to 8	---	---	---	---	---
Gable end fan outlets on poultry houses 1 to 8 as shown on the site plan in schedule 7	Poultry houses 1 to 8	---	---	---	---	---
Exhaust from standby generator as shown on the site plan in schedule 7	Standby Generator	---	---	---	---	---
Vent from oil tank as shown on the site plan in schedule 7	Fuel oil tank	---	---	---	---	---
Outlet from heat exchangers on poultry houses 5 to 8 as shown on the site plan in schedule 7	Poultry houses 5 to 8	---	---	---	---	---
Emissions from 8 biomass boilers as shown on the site plan in schedule 7	Aggregated 8.86 MWth biomass boiler	---	---	---	---	---

<b>Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. unit)</b>	<b>Reference Period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
Stone trenches running alongside poultry houses 1 to 8 acting as soakaways, as indicated on the site drainage plan received 02/08/24	Roof water from poultry houses 1 to 8, and the biomass building	---	---	---	---	---
Outlet to attenuation pond acting as a soakaway, to the north-east of poultry house 6, as indicated on the site	Roof water from poultry houses 5 to 8, intercepted by stone trenches prior to	---	---	---	---	---

**Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements**

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
drainage plan received 02/08/24	discharge, and water draining from associated yard areas (excluding all times yards are contaminated e.g. catching, mucking out or washing)					
Outlets to surface water to the north-east of poultry house 8, as indicated on the site drainage plan received 02/08/24, which ultimately drain to the Shropshire Union Canal	Roof water from poultry houses 1 to 8, and the biomass building intercepted by stone trenches, and water draining from yard areas (excluding all times yards are contaminated e.g. catching, mucking out or washing), via attenuation ponds prior to discharge	---	---	---	---	---

**Table S3.3 Process monitoring requirements**

Emission point reference or source or description of point of measurement	Parameter	Limit (incl. Unit)	Monitoring frequency (1)	Monitoring standard or method
Broilers in houses 1 to 8	kg N excreted/animal place/year	0.6 kg N/animal place/year	Annually	Estimation by using manure analysis for total nitrogen content
	kg P <sub>2</sub> O <sub>5</sub> excreted/animal place/year	0.25 kg P <sub>2</sub> O <sub>5</sub> /animal place/year	Annually	Estimation by using manure analysis for total phosphorus content
Broilers in houses 1 & 2	kg NH <sub>3</sub> /animal place/year	0.08 kg NH <sub>3</sub> /animal place/year	Annually	Estimation using emission factors
Broilers in houses 3 to 8, with ammonia abatement in housing exhaust ventilation	kg NH <sub>3</sub> /animal place/year	0.025 kg NH <sub>3</sub> /animal place/year	Annually	Estimation using emission factors

**Table S3.3 Process monitoring requirements**

<b>Emission point reference or source or description of point of measurement</b>	<b>Parameter</b>	<b>Limit (incl. Unit)</b>	<b>Monitoring frequency (1)</b>	<b>Monitoring standard or method</b>
Broilers in houses 1 to 8	Dust	n/a	Annually	Estimation using emission factors

## Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Process monitoring Parameters as required by condition 3.5.1	-	Every 12 months	1 January

<b>Table S4.2 Reporting forms</b>		
<b>Media/parameter</b>	<b>Reporting format</b>	<b>Date of form</b>
kg NH <sub>3</sub> /animal place/year	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	15/10/24
kg N excreted/animal place/year	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	15/10/24
kg P <sub>2</sub> O <sub>5</sub> excreted/animal place/year	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	15/10/24
Dust atmospheric mass emission	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	15/10/24

# 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 malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution</b>	
<b>To be notified within 24 hours of detection</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 limit</b>	
<b>To be notified within 24 hours of detection</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	

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the breach of permit conditions not related to limits</b>	
To be notified within 24 hours of detection	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

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

## **Part B – to be submitted as soon as practicable**

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

\* authorised to sign on behalf of the operator



## Schedule 6 – Interpretation

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

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

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“emissions to land” includes emissions to groundwater.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“Existing housing” means housing that is not defined as new housing.

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

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

“Manure and slurry” have the following meaning:

- Manures may be either slurries or solid manures.
- Slurries consist of excreta produced by livestock whilst in a yard or building mixed with rainwater and wash water and, in some cases, waste bedding and feed. Slurries can be pumped or discharged by gravity.
- Slurry includes duck effluent, seepage from manure and wash water.
- Solid manures include farmyard manure (FYM) and comprise material from straw-based housing systems, excreta with lots of straw/sawdust/woodchips in it, or solids from mechanical separators.
- Most poultry systems produce solid manure (litter).
- Solid manure can generally be stacked.

“New housing” means housing first permitted at the installation following the publication of the intensive rearing of poultry or pigs (IRPP) best available techniques (BAT) conclusions document dated 21/02/17, or a complete replacement of existing housing after 21/02/17.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“pests” means Birds, Vermin and Insects.

“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.

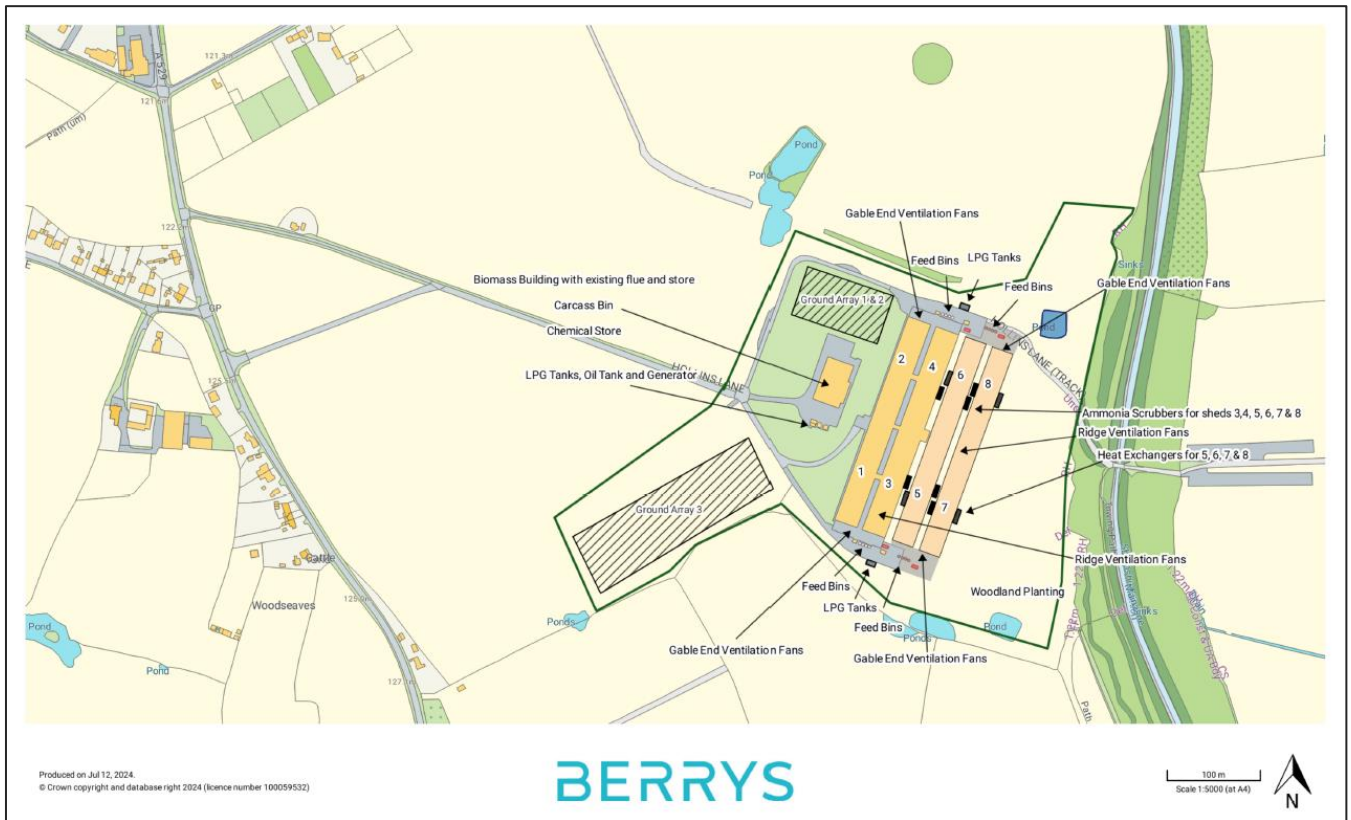
“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

“year” means calendar year ending 31 December.

# Schedule 7 – Site plan

Site plan - showing installation boundary as referred to in condition 2.2.1.



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END OF PERMIT