

# Notice of variation and consolidation with introductory note

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

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JH and JM Hickton  
Thorngrove Poultry Farm  
Grimley  
Worcester  
Worcestershire  
WR2 6NP

### **Variation application number**

EPR/WP3239EK/V003

### **Permit number**

EPR/WP3239EK

# Thorngrove Poultry Farm

## Permit number EPR/WP3239EK

### 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:

- Installation of two double tier poultry houses (houses numbered 5-8)
- Installation of one additional biomass boiler and associated fuel storage
- Three Improvement Conditions (IC1, IC2 and IC3) have been added to table S1.3; and
- Three pre-operational conditions (PO1, PO2 and PO3) have been added to table S1.4B.

Two double tier poultry houses (5-8) will be installed in place of the four additional single storey poultry houses previously proposed. The permitted bird number will remain unchanged at 319,990 broilers, however the installation of the four new houses will allow an actual increase in bird numbers on site from approximately 140,000 broilers to 319,990 broilers.

Each double tier building will consist of two poultry housing areas with an upper and lower deck. The lower decks will be accessed from the concrete yard at the eastern gable ends and access to the upper decks will be by means of a ramp on the northern sides of the buildings, utilising the topography of the site which slopes downwards from north to south. The upper decks will be washed first at the end of the cycle. Floors slope to the eastern gable end where foul drains channel the wash water directly to the dirty water tank.

The new double tier houses are tunnel ventilated by means of gable fans on the western end of the houses with the exhaust air passing through a dust baffle area fitted with a misting system to aid dust removal, prior to exiting via the gable end fans. Run off from these areas is captured by drains and directed to the dirty water tank.

Heat for the new houses is provided by a new biomass boiler (with a thermal rated input not exceeding 0.895 MW) with back up liquid petroleum gas (LPG) heaters. The biomass boiler burns clean virgin woodchip to generate heating for the poultry houses and meets the technical criteria to be eligible for the Renewable Heat Incentive. Boiler ash will be securely stored prior to removal off site for disposal as a waste.

The improvement programme and pre-operational conditions have been included in the permit to enable the Environment Agency to closely control the expansion of the Installation, to minimise the risk of odour pollution beyond the Installation boundary.

We have reviewed the new housing introduced with this permit variation for this installation against the Intensive Rearing of Poultry or Pigs (IRPP) Conclusions on Best Available Techniques (BAT) dated February 2017. The permit conditions and schedules ensure the compliance of the new housing with this BAT Conclusions document.

There is no change to the installation boundary as a result of this variation.

The rest of the installation is operated as follows:

Thorngrove Poultry Farm is operated by JH and JM Hickton and is situated approximately 1.5 kilometres to the south west of Grimley, in Worcestershire. The installation is approximately centred on National Grid

Reference SO 82100 59800. The ground is undulating and the predominant land use is rural grassland and arable farming.

There are four existing poultry houses, numbered 1-4 ventilated by roof fans with side wall inlets. Ventilation for house 1 is provided by roof fans with an emission point higher than 5.5 metres above ground level and an efflux speed of 2 metres per second. Ventilation for houses 2-4 is provided by roof fans with an emission point higher than 5.5 metres above ground level and an efflux speed of 7 metres per second. All four existing houses also have gable end fans which are operated infrequently to maintain temperature, typically in the summer months.

Birds are housed at one day old and depopulated at around thirty-two to forty days of age, on an all-in, all-out basis. The break between crops for clean out and turn-around is approximately seven days, leading to seven cycles per annum. Before bird arrival houses 1-4 are pre-warmed by hot water blown air heaters fed by two biomass boilers, with an aggregated thermal rated input of 0.427 MW. The biomass boilers burn clean virgin woodchip and meet the technical criteria to be eligible for the Renewable Heat Incentive. Floors are covered to a minimum depth of 2 cm of bulk wood shavings.

At the end of the cycle the houses are depopulated, washed and disinfected ready for the next cycle. Used litter is exported from the site and sold. Water from the wash out of houses is channelled to underground collection tanks close to the houses to await export off site for spreading on operator owned land. Diverter valves are used during wash down periods to prevent the contamination of surface water systems. Roof water from all eight houses and water draining from the yard (excluding periods of washout when water from the yard drains to the underground tanks) drains to an unnamed ditch to the south of houses 7 and 8, via French drains.

Associated food is stored on the installation in sealed food bins. Mortalities are collected daily and stored in freezers prior to incineration in the farms' on site licensed incinerator (approved by the Animal and Plant Health Agency (APHA)). Water is provided via a nipple drinking system with cups to reduce leakage and spills.

There are no Special Areas of Conservation (SAC), Special Protection Areas (SPA) or Ramsar sites within 5km of the installation. There are four Sites of Special Scientific Interest (SSSI) within 5km of the installation, and nine other nature conservation sites within 2km comprising of six 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.

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.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
EPR/TP3436MF/A001	Duly made 22/12/06	Application for an intensive farming poultry installation permit.
Additional information received	02/07/07	Confirmation of the proposal to construct additional poultry buildings.
Permit determined	Issued 28/09/07	Permit issued to Mr Godfrey Hickton and Mrs Jane Hickton.
Application reference EPR/TP3436MF/V002	Duly made 29/06/10	Application to vary the permit to increase the number of poultry places to 319,990.
Variation issued EPR/TP3436MF/V002	Issued 19/08/10	Varied permit issued to Mr Godfrey Hickton and Mrs Jane Hickton.
Application reference EPR/TP3436MF/V003	Duly made 14/08/13	Application to vary the permit to include the operation of 2 biomass boilers; update partnership details; and update the permit to

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
		modern conditions to include the requirements of IED.
Variation issued EPR/TP3436MF/V003	Issued 21/10/13	Varied and consolidated permit issued in modern condition format Mr Godfrey Hickton and Mrs Jane Hickton.
Application EPR/WP3239EK/T001 (full transfer of permit EPR/TP3436MF)	Duly made 06/11/13	Application to transfer the permit in full to JH and JM Hickton trading as Thorngrove Poultry.
Transfer determined EPR/WP3239EK	Issued 28/11/13	Full transfer of permit complete.
Application received EPR/WP3239EK/V002	Received 13/09/16	Application to vary the permit to reduce number of broilers from 319,990 to 288,500 and two additional poultry houses (5a and 6a).
Application withdrawn EPR/WP3239EK/V002	Withdrawn 09/01/17	Application withdrawn.
Application EPR/WP3239EK/V003 (variation and consolidation)	Duly made 26/11/18	Application to vary the permit to add two two-tiered poultry houses, numbered 5/6 and 7/8, and to install an additional biomass boiler.
Additional information received	22/02/19	Schedule 5 response providing revised documents; dust and bioaerosol risk assessment and management plan, non-technical summary, odour and noise monitoring procedures, odour management plan, proposed changes to permit, monitoring point plan, technical standards, site drainage plan, confirmation that the farm will be operated in accordance with the new BAT Conclusions and that there will be no wood chipping activities or storage of logs within the site boundary.
	17/03/19	Response to request for further information providing revised documents; monitoring point plan, odour and noise monitoring procedure and site plan.
	21/05/19	Response to request for further information providing plans of the proposed poultry houses.
	02/09/19	Schedule 5 response providing revised site drainage plan, site plan, odour management plan, odour abatement proposals and ecology report for Thorngrove Pool LWS.
	02/09/19	Response to request for further information providing biomass boiler information document.
	06/09/19	Response to request for further information providing biomass boiler information, biomass boiler management and accident plan and revised site plan.
	10/09/19	Schedule 5 response providing revised site plan.
	24/09/19	Response to request for further information providing final odour management plan.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
	30/09/19	Schedule 5 response providing details of the proposed odour abatement equipment for poultry houses 5-8 and odour reduction data.
	03/10/19	Response to request for further information providing response from Worcestershire Wildlife Trust regarding Thorngrove Pool Local Wildlife Site.
	12/10/19	Response to request for further information providing raw material inventory.
	10/01/20	Response to request for further information providing a revised raw material inventory and details of the frequency and duration of the wood chipping activity and location of chipping machine.
	15/01/20	Response to request for further information regarding wood chipping activity and providing revised noise management plan.
	16/01/20	Response to request for further information providing revised noise management plan.
	21/01/20	Response to request for further information providing final noise management plan.
	16/02/20	Response to request for further information providing detail relating to the dust baffle/misting system.
	10/03/20	Response to request for further information providing detail relating to spreading of wash water and odour monitoring.
	19/03/20	Additional information received relating to odour monitoring procedures.
	20/10/20	Additional information received relating to light minimisation measures.
	22/11/20	Response to request for further information providing a revised noise management plan, site drainage plan, revised odour and noise monitoring procedure and revised monitoring point plan.
	24/11/20	Response to request for further information providing a revised dust management plan.
Variation determined EPR/WP3239EK (Billing reference: NP3834QZ)	02/12/20	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/WP3239EK

### Issued to

**JH and JM Hickton** (“the operator”)

whose principal office is

**Thorngrove Farm**

**Grimley**

**Worcester**

**Worcestershire**

**WR2 6NP**

to operate an installation at

**Thorngrove Poultry Farm**

**Thorngrove Farm**

**Grimley**


**Worcester**

**Worcestershire**

**WR2 6NP**

to the extent set out in the schedules.

The notice shall take effect from 02/12/2020

Name	Date
	<b>02/12/2020</b>

Authorised on behalf of the Environment Agency

## **Schedule 1**

All conditions have been varied by the consolidated permit EPR/WP3239EK 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/WP3239EK**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/WP3239EK/V003 authorising,

**JH and JM Hickton** (“the operator”),

whose principal office is

**Thorngrove Farm**

**Grimley**

**Worcester**

**Worcestershire**

**WR2 6NP**

to operate an installation at

**Thorngrove Poultry Farm**

**Thorngrove Farm**

**Grimley**

**Worcester**

**Worcestershire**

**WR2 6NP**

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

Name	Date
<b>Rebecca Warren</b>	<b>02/12/2020</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 phosphorous 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 S1.4B 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 table 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 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where 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

<b>Table S1.1 Activities</b>		
<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
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 319,990 broiler places.	From receipt of birds, raw materials and fuels onto the site to removal of birds and associated wastes from site.
<b>Directly Associated Activity</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
Carcass incineration	Operation of an Incinerator for carcass disposal Animal and Plant Health Agency (APHA) approved < 50 kg/hr.	From receipt of raw materials, fuels and input of carcasses to release of combustion products to air and associated wastes removed from site.
Biomass boiler	Operation of 3 biomass boilers with an aggregated thermal rated input not exceeding 1.322 MW, for site heating requirements, 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.
Wood chipping	Operation of a wood chipper for production of fuel for the biomass boiler units serving the poultry houses.	From receipt of raw materials and fuels onto site to removal to storage area.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application EPR/TP3436MF/A001	The responses to sections B2.3.1, B2.3.2, B2.3.3, B2.6.1, B2.6.2, B2.6.3, B2.7.1 and B2.7.2 in the Application.	22/12/06
Request for Information dated 26/06/2007	Response to Request for Information confirming the proposal to construct additional poultry buildings.	02/07/07
Application EPR/TP3436MF/V002	The response to Part C in the application form and associated non-technical summary setting out increase in the number of broiler places.	29/06/10
Application EPR/TP3436MF/V003	Responses to Part C3 section 3 of the application form and other referenced supporting documentation.	17/06/13
Application EPR/WP3239EK/V003	Responses to Parts C3.5 of the application form and referenced supporting documentation.	26/11/18
Response to Schedule 5 Notice dated 15/02/19	Response providing technical standards document and confirmation that the farm will be operated in accordance with the IRRP BAT Conclusions.	22/02/19
Additional information requested 02/05/19	Response providing plans of the proposed poultry houses.	21/05/19
Additional information requested 11/07/19, 04/09/19 and 05/09/19	Response providing biomass boiler information: <ul style="list-style-type: none"> <li>• emissions data</li> <li>• disposal procedures for ash</li> </ul>	06/09/19

Table S1.2 Operating techniques		
Description	Parts	Date Received
	<ul style="list-style-type: none"> <li>accident plan</li> </ul>	
Response to Schedule 5 Notice dated 09/07/19	Response to question 2 providing a site plan.	10/09/19
Additional information requested 17/09/19	Response providing odour management plan.	24/09/19
Additional information requested 08/01/20	Response providing details of wood chipping activity and raw material inventory.	10/01/20
Additional information requested 14/01/20	Response confirming all chipping activity is for fuel purposes only.	15/01/20
Additional information requested 12/02/20	Response providing details of dust baffle/misting system.	16/02/20
Additional information requested 04/03/20	Response confirming wash water is spread in accordance with a manure management plan.	10/03/20
Additional information requested 18/11/20 and 19/11/20	Response providing noise management plan, site drainage plan, odour and noise monitoring procedure and monitoring point plan.	22/11/20
	Response providing a dust management plan.	24/11/20

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>The Operator shall submit a written report for approval demonstrating the odour reduction efficiency (%) of the proposed odour abatement system, with evidence from manufacturer's data.</p> <p>The report should include, as a minimum, a description of the proposed odour abatement equipment, a list of the critical operating parameters and acceptable ranges of operation of these parameters to ensure effective odour abatement, monitoring of critical control parameters and type of monitoring to be employed, evidence of usage of the proposed system within intensive farming applications and trial data at set abatement conditions showing effective odour abatement at a relevant volumetric gas flow rate and for relevant animal types. It should also include an assessment of how the proposed technique satisfies BAT Conclusion 13d.</p> <p>Timescales for installation of the odour abatement system, shall be provided.</p> <p>The report shall consider the addition of the odour abatement equipment for both potential scenarios, i.e. installation of odour abatement equipment on poultry houses 5-8, in response to PO2, and installation of odour abatement equipment only on poultry houses 7&amp;8, in response to PO3.</p> <p>The improvement program shall be deemed completed following submission of the written report.</p>	3 months from permit issue
IC2	<p>Twelve months after the initial stocking of poultry houses 5 and 6, or sooner if requested in writing by the Environment Agency, the Operator shall carry out a review of the effectiveness of odour controls to minimise the risk of odour pollution beyond the installation boundary and submit a written report to the Environment Agency for approval.</p>	1 month following the 12 month period, or within 1 month of a written request from the



<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
	<p>The report shall include:</p> <ul style="list-style-type: none"> <li>• A summary of action taken to optimize poultry housing conditions, including but not limited to litter management and ventilation systems, to maximise odour control.</li> <li>• A summary of any other action taken to minimise odour pollution from the installation.</li> <li>• A list of any odour complaints with a description of root causes and corrective actions to minimise odour pollution.</li> <li>• An assessment of whether any additional measures are necessary for reducing odour emissions and if so what those measures are.</li> <li>• Details of all improvements requiring infrastructure changes and timescales to complete them.</li> <li>• Any updates required to the odour management plan</li> </ul> <p>The report shall be implemented in accordance with the Environment Agency's written approval.</p>	Environment Agency.
IC3	<p>Twelve months after the initial stocking of poultry houses 7 and 8, or sooner if requested in writing by the Environment Agency, the Operator shall carry out a review of the effectiveness of odour controls to minimise the risk of odour pollution beyond the installation boundary and submit a written report to the Environment Agency for approval.</p> <p>The report shall include:</p> <ul style="list-style-type: none"> <li>• A summary of action taken to optimize poultry housing conditions, including but not limited to litter management and ventilation systems, to maximise odour control.</li> <li>• A summary of any other action taken to minimise odour pollution from the installation.</li> <li>• A list of any odour complaints with a description of root causes and corrective actions to minimise odour pollution.</li> <li>• An assessment of whether any additional measures are necessary for reducing odour emissions and if so what those measures are.</li> <li>• Details of all improvements requiring infrastructure changes and timescales to complete them.</li> <li>• Any updates required to the odour management plan.</li> </ul> <p>The report shall be implemented in accordance with the Environment Agency's written approval.</p>	1 month following the 12 month period, or within 1 month of a written request from the Environment Agency.

<b>Table S1.4B Pre-operational measures for future development</b>		
<b>Reference</b>	<b>Operation</b>	<b>Pre-operational measures</b>
PO1	Initial stocking of birds in poultry houses 7 and 8 as shown on the site layout plan in Schedule 7 of the permit.	No birds shall be placed in poultry houses 7 and 8 until the Operator has written approval

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

<b>Reference</b>	<b>Operation</b>	<b>Pre-operational measures</b>
		from the Environment Agency to operate poultry houses 7 and 8.
PO2	Restocking of birds in poultry houses 5 and 6, as shown on the site layout plan in Schedule 7 of the permit, prior to completion of IC2.	Prior to restocking of poultry houses 5 and 6 written approval from the Environment Agency shall be obtained if the Environment Agency has confirmed in writing this is required.
PO3	Restocking of birds in poultry houses 7 and 8, as shown on the site layout plan in Schedule 7 of the permit, prior to completion of IC3.	Prior to restocking of poultry houses 7 and 8 written approval from the Environment Agency shall be obtained if the Environment Agency has confirmed in writing this is required.

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

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

## Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
Roof fan outlets on poultry house 1 as shown on the site layout plan in schedule 7	Poultry house 1	---	---	---	---	---
High velocity roof fan outlets on poultry houses 2-4 as shown on the site layout plan in schedule 7	Poultry houses 2-4	---	---	---	---	---
Gable end fan outlets on poultry houses 1-8 as shown on the site layout plan in schedule 7	Poultry houses 1-8	---	---	---	---	---
Chimney from carcass incinerator as shown on the site layout plan in schedule 7	Carcass incinerator	---	---	---	---	---
Exhaust from standby generators as shown on the site layout plan in Schedule 7	Standby Generators	---	---	---	---	---
Vent from oil tank as shown on the site layout plan in Schedule 7	Diesel tank	---	---	---	---	---
Emissions from 3 biomass boilers as shown on the site layout plan in Schedule 7	Aggregated 1.322 MWth biomass boiler	---	---	---	---	---

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
Outlet to an unnamed ditch to the south of poultry houses 7 and 8 as indicated on the site layout plan in Schedule 7	Roof water from poultry houses 1-8 and water draining from yard (excluding poultry house wash out periods) intercepted by French drains	---	---	---	---	---

**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
	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 1-4	kg N excreted/animal place/year	<b>From 21/02/2021</b> 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	<b>From 21/02/2021</b> 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 5-8	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 1-4	kg NH <sub>3</sub> /animal place/year	<b>From 21/02/2021</b> 0.08 kg NH <sub>3</sub> /animal place/year	Annually	Estimation using emission factors
Broilers in houses 5-8	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 1-8	Dust	n/a	Annually	Estimation using emission factors

**Notes**

(1) For all existing housing permitted before 21/02/17 the monitoring is a requirement from 21/02/21.

## 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	02/12/20
kg N excreted/animal place/year & kg P <sub>2</sub> O <sub>5</sub> excreted/animal place/year		
Dust atmospheric mass emission		

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

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

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

\* authorised to sign on behalf of the operator



## Schedule 6 – Interpretation

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

“Animal and Plant Health Agency (APHA)” is the government agency that licences small on farm incinerators; formerly known as the Animal Health and Veterinary Laboratories Agency.

“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.

“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.

“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.

“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.

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

"pests" means Birds, Vermin and Insects.

“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.

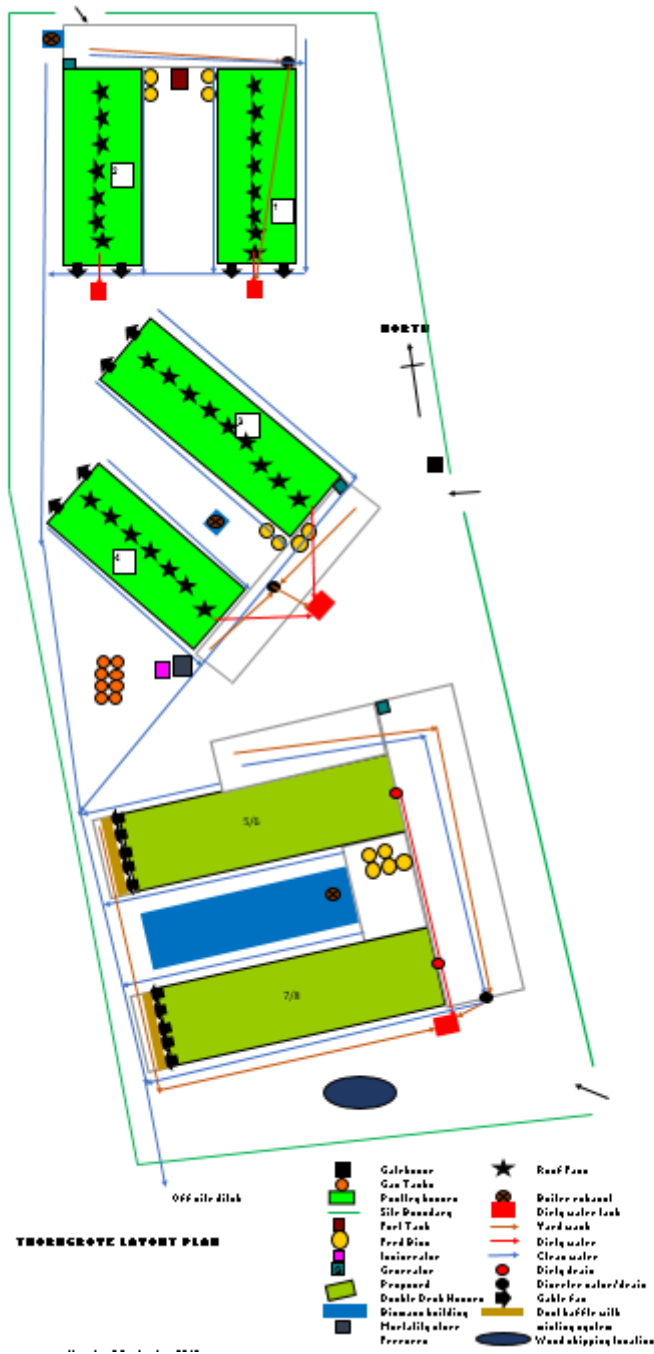
# Schedule 7 – Site plan

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



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# Site layout plan



END OF PERMIT