

# Notice of variation and consolidation with introductory note

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

---

Mr Robert George Towers, Mr Richard George Towers, Mr Benjamin Richard Towers and Mrs Jane Marjorie Towers

Three Nooks Wood  
Weeton Road  
Wesham  
Preston  
Lancashire  
PR4 3WA

### **Variation application number**

EPR/MP3735ZY/V004

### **Permit number**

EPR/MP3735ZY

# Three Nooks Wood

## Permit number EPR/MP3735ZY

### 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 at the installation from 210,000 to 360,000 broiler places;
- Installation of two additional poultry houses (numbers 5 and 6) to the south east of the existing poultry houses; and
- An increase in the site boundary to accommodate the new poultry houses and associated infrastructure.

New housing introduced with this variation complies with BAT conclusions as defined in the Intensive Farming BAT conclusion document dated 20/02/17. The houses are fan ventilated with a fully littered floor, fully insulated and equipped with nipple drinking systems. The poultry houses are ventilated by high velocity roof mounted extraction fans with an emission point higher than 5.5 metres above ground level and an efflux speed of 11 metres per second. All houses have additional gable end fans which are operated during periods of hot weather. Heat for the two new houses will be provided by the existing biomass boilers, with Liquid Petroleum Gas (LPG) used to provide supplementary or back up heating.

Water from the wash out of poultry houses and lightly contaminated yard water is channelled to underground collection tanks awaiting export off site, following washing operations, for spreading on land owned by third parties. Roof water from poultry houses 5 and 6 and associated yard water (excluding poultry house wash out periods) will discharge to a ditch to the south east of the houses via an attenuation pond.

#### The rest of the installation is unchanged and continues to be operated as follows:

Three Nooks is situated approximately two kilometres north west of the village of Wesham, Lancashire. The installation is approximately centred on National Grid Reference SD 40455 33919.

The installation is operated by Mr Robert George Towers, Mr Richard George Towers, Mr Benjamin Richard Towers and Mrs Jane Marjorie Towers. The broilers are housed at 1 day old and de-populated between 37 to 42 days of age. The break between crops for clean out and turn around is approximately 10 days, leading to an average of 7 crops per annum. At the end of the cycle, the houses are depopulated, washed and disinfected ready for the next cycle.

Before bird arrival the houses will be pre-warmed with hot water radiators heated by 3 biomass boilers (with an aggregated thermal rated input of 1.468 MW). The biomass burners' only burn approved biomass fuel consisting of virgin woodchip/pellet, straw or miscanthus. Liquid Petroleum Gas (LPG) is also used on site to provide supplementary or back up heating.

The existing poultry houses (1 to 4) are ventilated by high velocity roof extraction fans, with an emission point higher than 5.5 metres above ground level and an efflux speed of 11 metres per second, with gable end fans operated infrequently to maintain temperature, typically in the summer months.

Used litter is exported from the installation for spreading on land owned by the operator, in accordance with a manure management plan. Water from the wash out of poultry houses and lightly contaminated yard water is channelled to underground collection tanks awaiting export off site, following washing operations, for

spreading on land owned by third parties. Roof water from the existing houses and water draining from the yard (excluding periods of washout) discharges to a ditch to the east of the house via two attenuation ponds. Associated food is stored on the installation in sealed bins.

Mortalities are collected daily and stored in sealed vermin proof containers awaiting incineration in two operator controlled, Animal Health and Veterinary Laboratories Agency (AHVLA) approved incinerators.

The land around the site is predominantly agricultural.

There are two Special Protection Areas (SPA) and two Ramsars within 10km of the installation. In addition, there are four Local Wildlife Sites (LWS) within 2km. An assessment of the impact of ammonia 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.

Status log of the permit		
Description	Date	Comments
Application received EPR/MP3735ZY/A001	Duly made 14/05/2014	Application for an intensive farming poultry installation permit.
Additional information received	27/05/2014	Revised site drainage plan.
Permit determined EPR/MP3735ZY	25/06/2014	Permit issued to Mr Robert George Towers, Mr Richard George Towers, Mrs Jane Marjorie Towers and Mr Benjamin Richard Towers.
Application EPR/MP3735ZY/V002 (variation and consolidation)	Duly made 22/10/2015	Application to vary the permit to increase bird numbers to 210,000, add two poultry houses and increase the site boundary.
Additional information received	07/11/2015	Revised site boundary plan, site layout plan, confirmation of use of incinerators to dispose of fallen stock and amended non-technical summary. Site name changed from Bradkirk Hall Farm to Three Nooks Wood.
Additional information received	12/11/2015	Schedule 5 response providing a revised Odour Management Plan (version 2).
Additional information received	18/11/2015	Schedule 5 response providing a revised Odour Management Plan (version 3).
Additional information received	21/11/2015	Schedule 5 response providing a revised Odour Management Plan (version 4).
Variation determined EPR/MP3735ZY (Billing reference: JP3630AU)	14/01/2016	Varied and consolidated permit issued in modern condition format.
Application EPR/MP3735ZY/V003 (variation and consolidation)	Duly made 01/11/2016	Application to vary the permit to add an additional biomass boiler and increase the site boundary.
Additional information received	15/11/2016	Revised fugitive emissions document, site boundary plan and site layout plan.
Additional information received	06/12/2016	Confirmation of permit operator.
Variation determined EPR/MP3735ZY/V003	18/01/2017	Varied and consolidated permit issued in modern condition format.

Status log of the permit		
Description	Date	Comments
Application received EPR/MP3735ZY/V004	Duly made 09/02/2018	Application to vary the permit to increase bird numbers from 210,000 to 360,000 broiler places, install two additional poultry houses and increase the installation boundary.
Additional information received	10/02/2018	Revised odour management plan, odour assessment, emergency plan and proposed changes.
Additional information received	12/02/2018	Revised site plan and site drainage plan.
Additional information received	14/02/2018	Confirmation of site postcode.
Additional information received	11/03/2018	Schedule 5 response providing confirmation that the farm will be operated in accordance with the new IRRP BAT conclusions.
Additional information received	13/03/2018	Schedule 5 response providing revised noise management plan.
Additional information received	28/03/2018	Confirmation regarding monitoring techniques in respect of BAT 24, 25 and 27.
Additional information received	28/03/2018	Response to request for information providing revised odour management plan.
Additional information received	18/04/18	Email requesting amendments to operator addresses.
Variation determined EPR/MP3735ZY/V004 (Billing reference: GP3034JG)	18/04/2018	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/MP3735ZY

### Issued to

**Mr Richard George Towers, Mrs Jane Marjorie Towers,**

of

**Bradkirk Hall Farm  
Weeton Road  
Wesham  
Preston  
Lancashire  
PR4 3NA**

**Mr Benjamin Richard Towers,**

of

**1, Bradkirk Hall Farm Cottages  
Weeton Road  
Wesham  
Preston  
Lancashire  
PR4 3NA**

and

**Mr Robert George Towers**

of

**58, Church Lane  
Goosnargh  
Preston  
Lancashire  
PR3 2BH**

("the operator")

to operate an installation at

**Three Nooks Wood  
Weeton Road  
Wesham  
Preston  
Lancashire  
PR4 3WA**

to the extent set out in the schedules.

The notice shall take effect from 18/04/2018

Name	Date
<b>Rebecca Warren</b>	<b>18/04/2018</b>

Authorised on behalf of the Environment Agency

## **Schedule 1**

All conditions have been varied by the consolidated permit EPR/MP3735ZY 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/MP3735ZY**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/MP3735ZY/V004 authorising,

**Mr Richard George Towers, Mrs Jane Marjorie Towers,**

of

**Bradkirk Hall Farm  
Weeton Road  
Wesham  
Preston  
Lancashire  
PR4 3NA**

**Mr Benjamin Richard Towers,**

of

**1, Bradkirk Hall Farm Cottages  
Weeton Road  
Wesham  
Preston  
Lancashire  
PR4 3NA**

and

**Mr Robert George Towers**

of

**58, Church Lane  
Goosnargh  
Preston  
Lancashire  
PR3 2BH**

("the operator")

to operate an installation at

**Three Nooks Wood  
Weeton Road  
Wesham  
Preston  
Lancashire  
PR4 3WA**

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

Name	Date
<b>Rebecca Warren</b>	<b>18/04/2018</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;
  - (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 activities authorised by the permit are the activities specified in schedule 1 table S1.1 (the “activities”).

## **2.2 The site**

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

## **2.3 Operating techniques**

- 2.3.1 The 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.

## **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 360,000 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 1.468 MWth, 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.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application EPR/MP3735ZY/A001	Responses to Parts B2 and B3 of the application form and referenced supporting documentation.	14/05/14
Variation Application EPR/MP3735ZY/V002	Response to Part C3.5 of the application form and all referenced supporting documentation.	22/10/15
Request for information dated 04/11/15	Response to request for information providing details regarding use of incinerators to dispose of fallen stock.	07/11/15
Variation Application EPR/MP3735ZY/V003	Responses to Part C3.5 of the application form and all referenced supporting documentation.	22/08/16
Additional information received	Response to request for information including revised energy efficiency document, raw materials inventory and biomass boiler RHI certificate.	01/11/16
Variation Application EPR/MP3735ZY/V004	Responses to Part C3.5 of the application form and all referenced supporting documentation.	09/02/18
Additional information received	Revised odour assessment and emergency plan.	10/02/18
Additional information received	Revised site plan.	12/02/18
Additional information requested 09/02/18	Revised site drainage plan.	12/02/18
Additional information requested 08/03/18	Schedule 5 response confirming the farm will be operated in accordance with the new IRRP BAT conclusions.	11/03/18
Additional information requested 08/03/18	Schedule 5 response providing revised noise management plan.	13/03/18

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Additional information requested 28/03/18	Response to request for information providing confirmation regarding monitoring techniques in respect of BAT 24, 25 and 27.	28/03/18
Additional information requested 28/03/18	Response to request for information providing revised odour management plan.	28/03/18

## **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
High velocity roof fan outlets on poultry houses 1-6 as shown on the site drainage plan received on 12/02/18 included with application EPR/MP3735ZY/V004	Poultry houses 1-6	---	11 m/s	---	---	---
Gable end fan outlets on poultry houses 1-6 as shown on the site drainage plan received on 12/02/18 included with application EPR/MP3735ZY/V004	Poultry houses 1-6	---	---	---	---	---
Chimneys from 2 carcass incinerators as shown on the site drainage plan received on 12/02/18 included with application EPR/MP3735ZY/V004	Carcass incinerators 1 and 2	---	---	---	---	---
Exhaust from standby generator as shown on the site drainage plan received on 12/02/18 included with application EPR/MP3735ZY/V004	Standby Generator	---	---	---	---	---
Vent from oil tank as shown on the site drainage plan received on 12/02/18 included with application EPR/MP3735ZY/V004	Diesel tank	---	---	---	---	---
Emissions from 3 biomass boilers as shown on the site drainage plan received on 12/02/18 included with application EPR/MP3735ZY/V004	Aggregated 1.468 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
Two attenuation ponds to the east of poultry houses 2 and 4 as indicated on the site drainage plan received on 12/02/18 included with application EPR/MP3735ZY/V004	Roof and yard water (excluding poultry house wash out periods) from poultry houses 1-4.	---	---	---	---	---
Outlet to an unnamed watercourse to the east of poultry houses 2 and 3 as indicated on the site drainage plan received on 12/02/18 included with application EPR/MP3735ZY/V004	Roof and yard water (excluding poultry house wash out periods) from poultry houses 1-4 via attenuation pond prior to discharge.	---	---	---	---	---
Attenuation pond to the south east of poultry house 5 as indicated on the site drainage plan received on 12/02/18 included with application EPR/MP3735ZY/V004	Roof and yard water (excluding poultry house wash out periods) from poultry houses 5 and 6.	---	---	---	---	---
Outlet to an unnamed watercourse to the south east of poultry house 5 as indicated on the site drainage plan received on 12/02/18 included with application EPR/MP3735ZY/V004	Roof and yard water (excluding poultry house wash out periods) from poultry houses 5 and 6 via attenuation pond 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	Other specifications
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	

<b>Table S3.3 Process monitoring requirements</b>					
<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>	<b>Other specifications</b>
	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 and 6	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 and 6	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 house 1-6	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	18/04/18
kg N excreted/animal place/year & 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	18/04/18
Dust atmospheric mass emission	Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency	18/04/18

# 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.







**Nitrogen excretion**

Animal type	Emission Factor utilised in Kg N/animal place /year	Total Value for animal type/housing type in kg N excreted/year
Broilers (fan ventilated, fully littered floor, non-leaking drinkers)		Total value for each animal type
<b>Total</b>	-	Aggregate value to provide total installation emissions

Operator's comments:

**Phosphorous excretion**

Animal type	Emission Factor utilised in Kg P/animal place /year	Total Value for animal type/housing type in kg P excreted/year
Broilers (fan ventilated, fully littered floor, non-leaking drinkers)		Total value for each animal type
<b>Total</b>	-	Aggregate value to provide total installation emissions

Operator's comments:

**Dust emissions**

Animal type	Emission Factor utilised in Kg PM10 dust/animal place /year	Total Value for animal type/housing type in kg PM10 dust /year
Broilers (fan ventilated, fully littered floor, non-leaking drinkers)		Total value for each animal type
<b>Total</b>	-	Aggregate value to provide total installation emissions

Operator's comments:

Signed .....

Date.....

(Authorised to sign as representative of Operator)