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# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Mercer Farming Limited

Gulham Fields Farm Poultry Unit Gulham Road North Owersby Market Rasen Lincolnshire LN8 3PS

#### Variation application number

EPR/RP3933EU/V003

#### Permit number

EPR/RP3933EU

# **Gulham Fields Farm Poultry Unit Permit number EPR/RP3933EU**

# 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:

- Increase in bird numbers from 300,000 to 400,000 broilers.
- Installation of two additional poultry houses and associated increase to the installation boundary.
- Addition of the existing ground source heating system to the permit.
- Removal of biomass boilers from Tables S1.1 and S3.1 of the permit.
- Removal of biomass fuel from Table S2.1.

The biomass boilers which were proposed when the site was first permitted were never installed and need removing from the permit. Instead, a ground source heat pump has been installed at the site which needs adding to the permit as part of this variation.

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:

Gulham Fields Farm Poultry Unit is situated approximately 2 kilometres west of the village of North Owersby in Lincolnshire. The installation is approximately centred on National Grid Reference TF 04120 94211.

The installation is operated by Mercer Farming Limited and comprises eight poultry houses, numbered 1 to 8, which operate a fully littered floor system for broiler chickens. The poultry houses provide a combined capacity for 400,000 broiler places.

Birds are housed at one day old and depopulated at around 40 days of age. Houses are empty for approximately seven days for clean out, which gives between seven to eight cycles per annum, which is operated on an all in/all out basis. Before the birds arrive, houses 1 to 6 are heated by a closed-loop ground source heating system and houses 7 and 8 by hot water blown air heaters produced by an LPG system.

All poultry houses are ventilated by roof fans with an emission point higher than 5.5 metres above ground level and an efflux speed of 11 metres per second. All houses also have gable end fans, although these are operated infrequently to maintain temperature, typically in the summer months.

The land around the site is predominantly agricultural. The surrounding topography is characterised by gently rising altitudes and low-lying hills. Associated feed is stored on the installation in two sealed feed bins, located at the end of the houses. Water is supplied via a nipple drinking system. Mortalities are collected daily and stored in a secure container on site awaiting regular collection under the National Fallen Stock Scheme by a licensed collection agent.

At the end of the cycle the houses are depopulated, washed and disinfected ready for the next cycle. Manure is removed from the houses and exported from the installation to a power station as a fuel source or for spreading on land owned by the operator. Water from the wash out of poultry houses is channelled to underground collection tanks close to the houses, along with drainage from the wheel wash facility, to await export off site for spreading on third party owned land. Uncontaminated yard water (excluding periods of washout when water from the yard drains to the underground tanks) drains via French drains to an unlined attenuation pond to the north of the installation boundary. Roof water from all the houses drains via French drains, and a swale to the east of the houses, to the attenuation pond. The attenuation pond has an outlet to a ditch.

There are two Sites of Special Scientific Interest (SSSI) within 5km of the installation, and one Local Wildlife Sites (LWS) within 2km. 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<br>EPR/RP3933EU/A001                                      | Duly made<br>18/03/14 | Application for an intensive farming poultry installation permit.   |
| Permit determined   | 30/04/14              | Permit issued to Mercer Farming Limited.  |
| Variation determined<br>EPR/RP3933EU/V002                             | 01/09/2020            | Environment Agency initiated variation for Intensive Farming BAT compliance permit review.  |
| Application<br>EPR/RP3933EU/V003 (variation<br>and consolidation)     | Duly made<br>06/09/22 | Application to increase broiler numbers, install two additional poultry houses, extend the installation boundary, add the ground source heating system, and remove the biomass boilers. |
| Additional information received                                       | 28/12/22              | Clarification with regards to sensitive receptors and further details relating to ground source heating system.   |
| Additional information received                                       | 06/01/23              | Dust management plan.   |
| Additional information received                                       | 13/01/23              | Revised dust management plan and confirmation of capacity and average operating hours for standby generator.  |
| Additional information received                                       | 24/01/23              | Clarification with regards to spreading of dirty water.   |
| Variation determined<br>EPR/RP3933EU<br>(Billing reference: DP3245QA) | 08/02/23              | 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/RP3933EU

#### Issued to

**Mercer Farming Limited** ("the operator")

whose registered office is

Blakenhall Park
Barton Under Needwood
Burton on Trent
Staffs
DE13 8AJ

company registration number 00827283

to operate an installation at

Gulham Fields Farm Poultry Unit Gulham Road North Owersby Market Rasen Lincolnshire LN8 3PS

to the extent set out in the schedules.

The notice shall take effect from 08/02/2023

| Name           | Date       |
|----------------|------------|
| Rebecca Warren | 08/02/2023 |

Authorised on behalf of the Environment Agency

## Schedule 1

All conditions have been varied by the consolidated permit EPR/RP3933EU 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/RP3933EU

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/RP3933EU/V003 authorising,

Mercer Farming Limited ("the operator"),

whose registered office is

Blakenhall Park
Barton Under Needwood
Burton on Trent
Staffs
DE13 8AJ

company registration number 00827283

to operate an installation at

Gulham Fields Farm Poultry Unit Gulham Road North Owersby Market Rasen Lincolnshire LN8 3PS

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

| Rebecca W | Jarren | 08/02/2023 |
|-----------|--------|------------|
| Name      |        | Date       |

Authorised on behalf of the Environment Agency

# **Conditions**

# 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.

# **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.

# **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.
- 3.3.2 The operator shall:
  - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour; and
  - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

#### 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.
- 3.4.2 The operator shall:
  - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration; and
  - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

# 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.

## 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 400,000 broiler places. | From receipt of birds, raw materials and fuels onto the site to removal of birds and associated wastes from site. |  |  |  |

| Table S1.2 Operating techniques                                      |   |               |  |  |  |
|--|---|---------------|--|--|--|
| Description  | Parts   | Date Received |  |  |  |
| Application<br>EPR/RP3933EU/A001                                     | Responses to Parts B2 and B3 of the application form and referenced supporting documentation, including response to the Environment Agency 'not duly' made letter.  | 18/03/14      |  |  |  |
| Application<br>EPR/RP3933EU/A001                                     | Technical Standards (Appendix 5) in response to Part B3 section 3a - Technical Standards of the application form.   | 18/03/14      |  |  |  |
| Application<br>EPR/RP3933EU/V003<br>(variation and<br>consolidation) | Responses to Part C3.5 of the application form and referenced supporting documentation, including additional information received in response to not duly made request for information including 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, and receipt of the following documents:  • Technical standards document • Site plan • Site drainage plan • Environmental risk assessment • Site closure plan • Emergency plan • Details regarding operation of ground source heating system | 06/09/22      |  |  |  |
| Additional information requested 22/12/22                            | Response to Request for Information providing clarification with regards to sensitive receptors and further details regarding operation and maintenance of ground source heating system.  | 28/12/22      |  |  |  |
| Additional information requested 12/01/23                            | Response to Request for Information providing a revised dust management plan and confirmation of capacity and average operating hours for standby generator.  | 13/01/23      |  |  |  |
| Additional information requested 24/01/23                            | Response to Request for Information providing clarification with regards to the spreading of dirty water.   | 24/01/23      |  |  |  |

# Schedule 2 – Waste types, raw materials and fuels

| Table S2.1 Raw materials and fuels |               |
|------------------------------------|---------------|
| Raw materials and fuel description | Specification |
|                                    |               |

# **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<br>(including<br>unit) | Reference period | Monitoring frequency | Monitoring standard or method |
| High velocity roof fan<br>outlets on poultry<br>houses 1 to 8 as<br>shown on the site<br>drainage plan in<br>schedule 7 | Poultry<br>houses 1 to 8 |           |                              |                  |                      |                               |
| Gable end fan outlets<br>on poultry houses 1 to<br>8 as shown on the site<br>drainage plan in<br>schedule 7             | Poultry<br>houses 1 to 8 |           |                              |                  |                      |                               |
| Exhaust from standby<br>generator as shown on<br>the site drainage plan<br>in schedule 7                                | Standby<br>Generator     |           |                              |                  |                      |                               |
| Vent from oil tank as<br>shown on the site<br>drainage plan in<br>schedule 7  | Diesel tank              |           |                              |                  |                      |                               |

| 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<br>(incl.<br>unit) | Reference<br>Period | Monitoring frequency | Monitoring standard or method |
| Outlet to unlined attenuation pond to the north of the poultry houses as shown on the site drainage plan in schedule 7  | Roof water from poultry houses 1 to 8, intercepted by French drains and a swale prior to discharge, and water draining from yards (excluding all times yards are contaminated e.g., catching, mucking out or washing), intercepted by French drains prior to discharge |           |                          |                     |                      |                               |
| Outlet to a ditch to the north of the installation boundary as shown on the site drainage plan, which ultimately drains | Roof water<br>from poultry<br>houses 1 to 8,<br>intercepted by<br>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<br>(incl.<br>unit) | Reference<br>Period | Monitoring frequency | Monitoring standard or method |
| to the New River<br>Ancholme   | and a swale prior to discharge, and water draining from yards (excluding all times yards are contaminated e.g., catching, mucking out or washing), intercepted by French drains prior to discharge, via an attenuation pond |           |                          |                     |                      |                               |

| 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<br>to 8 (naturally<br>ventilated or fan<br>ventilated fully<br>littered floor, non-<br>leaking drinkers) | kg N<br>excreted/animal<br>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><br>excreted/animal<br>place/year | 0.25 kg P₂O₅<br>/animal place/year         | Annually                 | Estimation by using manure analysis for total phosphorus content |  |  |
|   | kg NH <sub>3</sub> /animal place/year                             | 0.08 kg NH <sub>3</sub> /animal place/year | Annually                 | Estimation using emission factors                                |  |  |
|   | 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.

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

| Table S4.2 Reporting forms                                  |  |              |  |  |  |
|---|--|--------------|--|--|--|
| Media/parameter   | Reporting format   | Date of form |  |  |  |
| kg NH₃/animal place/year                                    | Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency | 08/02/23     |  |  |  |
| kg N excreted/animal place/year                             | Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency | 08/02/23     |  |  |  |
| 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 | 08/02/23     |  |  |  |
| Dust atmospheric mass emission                              | Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency | 08/02/23     |  |  |  |

# 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

| I value of operator  |   |
|--|---|
| Location of facility   |   |
| Time and date of the detection                                   |   |
|  |   |
|  | ny malfunction, breakdown or failure of equipment or techniques, nce not controlled by an emission limit which has caused, is causing |
| To be notified within 24 hours of d                              | etection  |
| Date and time of the event                                       |   |
| Reference or description of the location of the event            |   |
| Description of where any release into the environment took place |   |
| Substances(s) potentially released                               |   |
| Best estimate of the quantity or rate of release of substances   |   |
| Measures taken, or intended to be taken, to stop any emission    |   |
| Description of the failure or accident.                          |   |
|  |   |
| (b) Notification requirements for the                            | ne breach of a limit  |
| To be notified within 24 hours of d                              | etection  |
| Emission point reference/ source                                 |   |
| Parameter(s)   |   |
| Limit  |   |
| Measured value and uncertainty                                   |   |
|  |   |

Date and time of monitoring

taken, to stop the emission

Measures taken, or intended to be

| Time periods for notification follo  | Time periods for notification following detection of a breach of a limit |                           |                     |  |  |
|--|--|---------------------------|---------------------|--|--|
| Parameter  |  |                           | Notification period |  |  |
|  |  |                           |                     |  |  |
|  |  |                           |                     |  |  |
|  |  |                           | •                   |  |  |
| (c) Notification requirements for t  | he breach of perm  | it conditions not related | d to limits         |  |  |
| To be notified within 24 hours of det  | ection   |                           |                     |  |  |
| 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.   |  |                           |                     |  |  |
| (d) Notification requirements for t  | he detection of an   | y significant adverse eı  | nvironmental effect |  |  |
| 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 practicable            |                     |  |  |
| 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   |  |                           |                     |  |  |

<sup>\*</sup> 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.

"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.

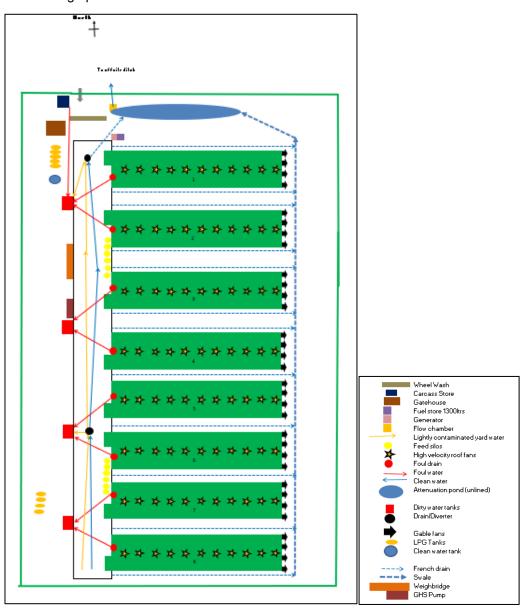
# Schedule 7 – Site plan

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



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#### Site drainage plan



#### **END OF PERMIT**