

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Mr Michael Davies, Mrs Susan Davies and Mr James Davies

The Rhyse Poultry Farm
Lyonshall
Kington
Herefordshire
HR5 3LX

Variation application number

EPR/TP3636ME/V006

Permit number

EPR/TP3636ME

The Rhyse Poultry Farm

Permit number EPR/TP3636ME

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 addition of a biomass boiler to provide heating for hot water at the installation. The biomass boiler has a thermal input of 0.199 MWth and will burn virgin woodchip only. There are now a total of 7 biomass boilers and 1 combined heat and power (CHP) unit at the installation with an aggregated net rated thermal input of 1.479 MWth.

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

The Rhyse Poultry Farm is approximately centred on National Grid Reference SO 35134 57210 and consists of five fan ventilated poultry houses giving 191,365 places for rearing chickens for meat production.

Poultry houses are heated by 7 biomass boilers and a biomass fuelled CHP, which also produces energy for onsite electricity requirements. House 3 has three heat exchangers fitted to it – these exchangers recycle heat and also reduce ammonia emissions which therefore improve the efficiency of the site. The condensate from the heat exchangers is directed to a dirty water tank.

Birds are housed at one day old and depopulated at approximately 33 to 38 days old. This will give between 6 to 8.5 cycles per annum. Before birds arrive, the houses are pre-warmed by hot water blown air heaters. Concrete floors are covered in a minimum depth of 2 cm of bulk wood shavings.

Temperature and humidity will be computer controlled and closely monitored on a daily basis to achieve a target level of 21 degrees centigrade post brooding and a relative humidity of 55-60%. This should achieve litter with dry matter content between 60-70%. Ventilation is controlled by a negative pressure system using side mounted extraction fans with ridge vent air inlets.

Water is supplied via a nipple drinking system fitted with cups to reduce leakage and spills leading to drier litter. Birds are fed a minimum of three diets during their growth, with gradually reducing levels of protein and phosphorous as the birds age. Feed is delivered from UKASTA, an accredited feed mill, and is blown into bulk feed bins. At depletion the litter is removed from the site and used on operator controlled land. The farm is then pressure washed, disinfected and dried out. Fallen stock is removed and recorded daily and is collected by a licensed collection agent under the National Fallen Stock Scheme.

The surrounding land is predominantly used for arable farming and grazing. There are 2 Sites of Special Scientific Interest, 5 Local Wildlife Sites and 9 Ancient Woodlands located within screening distance of The Rhyse Poultry Farm, all of which have been considered in determining the permit variation.

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 TP3636ME | Duly made 22/12/06 | Application for an intensive farming poultry installation permit. |
| Permit determined TP3636ME | 31/08/07 | Permit issued to Mr Michael Davies, Mrs Susan Davies and Mr James Davies. |
| Application reference EPR/TP3636ME/V002 | Duly made 16/08/10 | Application to increase poultry places to 157,500. |
| Variation issued EPR/TP3636ME/V002 | 25/08/10 | |
| Application reference EPR/TP3636ME/V003 | Duly made 28/10/13 | Application to vary the permit to add biomass boilers; and update the permit to modern conditions to include the requirements of IED. |
| Additional information received | 22/11/13 | Confirmation of stack heights and that boilers are eligible for Renewable Heat Incentive |
| Variation issued EPR/TP3636ME/V003 | 25/11/13 | Varied and consolidated permit issued in modern condition format. |
| Application reference EPR/TP3636ME/V004 | Withdrawn 11/04/16 | |
| Application reference EPR/TP3636ME/V005 | Duly made 07/06/17 | Application to vary the permit to add a CHP unit, extend bird housing and increase bird numbers to 191,365. |
| Application reference EPR/TP3636ME/V005 | 08/08/17 | Varied and consolidated permit issued in modern condition format. |
| Application reference EPR/TP3636ME/V006 | Duly made 14/02/18 | Application to vary the permit to add an additional biomass boiler. |
| Application reference EPR/TP3636ME/V006 (Billing ref: CP3132JB) | 19/03/18 | 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/TP3636ME

Issued to

Mr Michael Davies, Mrs Susan Davies and Mr James Davies (“the operator”)

of

**The Rhyse
Lyonshall
Kington
Herefordshire
HR5 3LX**

to operate an installation at

**The Rhyse Poultry Farm
Lyonshall
Kington
Herefordshire
HR5 3LX**

to the extent set out in the schedules.

The notice shall take effect from 19/03/2018

| Name | Date |
|---------------------|-------------------|
| Mike Jenkins | 19/03/2018 |

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit EPR/TP3636ME 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/TP3636ME

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/TP3636ME/V006 authorising,

Mr Michael Davies, Mrs Susan Davies and Mr James Davies (“the operator”),

of

**The Rhyse
Lyonshall
Kington
Herefordshire
HR5 3LX**

to operate an installation at

**The Rhyse Poultry Farm
Lyonshall
Kington
Herefordshire
HR5 3LX**

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

| Name | Date |
|---------------------|-------------------|
| Mike Jenkins | 19/03/2018 |

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 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.

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.

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.

3.6 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 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.
- (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:

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

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

- (a) 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 191,365 broiler places. | From receipt of birds, raw materials and fuels onto the site to removal of birds and associated wastes from site. |
| Directly Associated Activity | Description of specified activity | Limits of specified activity |
| Biomass boiler | Operation of 7 biomass boilers with an aggregated thermal rated input not exceeding 1.394 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. |
| CHP unit | Operation of a single CHP unit with a thermal rated input not exceeding 0.085 MWth, for site heating and power generation 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. |

| Table S1.2 Operating techniques | | |
|--|---|----------------------|
| Description | Parts | Date Received |
| Application EPR/TP3636ME/A001 | The responses to sections B2.3.1, B2.3.2, B2.6.1, B2.6.2, B2.7.1 and B2.7.2 in the Application. | 22/12/06 |
| Application EPR/TP3636ME/A001 | Odour management plan reference and Noise management plan reference submitted with the application form. | 22/12/06 |
| Application EPR/TP3636ME/V002 | Responses to questions 1 to 4 of the application form and referenced supporting documentation. | 13/08/10 |
| Application EPR/TP3636ME/V003 | Responses to Parts C2 and C3 of the application form and referenced supporting documentation. | 28/10/13 |
| Additional information requested 20/11/13 | Response to Request for Information confirming number of heat exchangers on site, that the biomass boilers are eligible for the Renewable Heat Incentive and their stack heights. | 22/11/13 |
| Application EPR/TP3636ME/V003 | Responses to questions 2-8 of the application form and referenced supporting documentation. | 04/04/17 11/04/17 |
| Additional information requested 06/06/17 | Response to the Request for Information confirming specifications of the CHP unit including: stack height, thermal input, fuel storage tonnage and adjacent building height. | 07/06/17 |
| Additional information received | Amended site layout and drainage plan. | 25/07/17 |
| Application EPR/TP3636ME/V006 | Responses to Parts C3.5 of the application form and referenced supporting documentation. | 26/01/18 |

| | | |
|---------------------------------|--|----------|
| Additional information received | Responses to request for information confirming biomass boiler configuration and that the biomass boiler meets the technical criteria to be eligible for the Renewable Heat Incentive. | 14/02/18 |
|---------------------------------|--|----------|

| Table S1.3 Improvement programme requirements | | |
|--|--|-------------|
| Reference | Requirement | Date |
| IC1 | The operator shall bund the Agricultural fuel oil storage facilities to comply with the requirements of S3.3 of TGN How to Comply, Version 1. | Completed |
| IC2 | <p>A written plan shall be submitted to the Agency for approval, following a review of all site drainage at the installation. The plan shall take into account the appropriate measures for the management of drainage systems and run-off in S3.3 of TGN How to Comply, Version 1, and include a timetable for any improvements to the drainage system. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the plan.</p> <p>The plan shall be implemented by the operator from the date of approval in writing by the Agency subject to such amendments or additions as notified by the Agency.</p> | Completed |
| IC3 | <p>A written plan shall be submitted to the Agency for approval following a review of existing poultry housing and management practices at the installation. The plan shall take into account the appropriate measures in S6.2.1 & S6.2.2 of TGN How to Comply, Version 1. The plan shall identify measures to reduce emissions to all media, the likely cost of such measures and a proposed timetable for their implementation.</p> <p>The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the plan.</p> <p>The plan shall be implemented by the operator from the date of approval in writing by the Agency subject to such amendments or additions as notified by the Agency.</p> | Completed |

Schedule 2 – Waste types, raw materials and fuels

| Table S2.1 Raw materials and fuels | |
|---|--|
| Raw materials and fuel description | Specification |
| Fuel for biomass boilers and CHP unit | Biomass 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 | Parameter | Source | Limit (incl. unit) | Reference period | Monitoring frequency | Monitoring standard or method |
| Side fan outlets on buildings 1 to 5 as shown on The Rhyse Layout Plan, dated 14/02/18 – submitted with application EPR/TP3636ME/V006. | --- | Poultry sheds 1 to 5 | --- | --- | --- | --- |
| Vents from LPG tanks as shown on The Rhyse Layout Plan, dated 14/02/18 – submitted with application EPR/TP3636ME/V006. | --- | --- | --- | --- | --- | --- |
| Vent from integral generator oil tank as shown on The Rhyse Layout Plan, dated 14/02/18 – submitted with application EPR/TP3636ME/V006. | --- | Oil Tank | --- | --- | --- | --- |
| Exhausts from stand-by generator as shown on The Rhyse Layout Plan, dated 14/02/18 – submitted with application EPR/TP3636ME/V006. | --- | Standby generator | --- | --- | --- | --- |
| Outlet from 3 heat exchangers on poultry house 3 as shown on The Rhyse Layout Plan, dated 14/02/18 – submitted with application EPR/TP3636ME/V006. | --- | Poultry house 3 | --- | --- | --- | --- |
| Emissions from 7 biomass boilers as shown on The Rhyse Layout Plan, dated 14/02/18 – submitted with application EPR/TP3636ME/V006. | --- | Aggregated 1.394 MWth biomass boilers | --- | --- | --- | --- |
| Emissions from a CHP unit as shown on The Rhyse Layout Plan, dated 14/02/18 – submitted with application EPR/TP3636ME/V006. | --- | 0.085 MWth CHP unit | --- | --- | --- | --- |

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

| Emission point ref. & location | Parameter | Source | Limit (incl. Unit) | Reference period | Monitoring frequency | Monitoring standard or method |
|--|-----------|--|--------------------|------------------|----------------------|-------------------------------|
| Outlet to an unnamed tributary of Curl Brook as shown on the Rhyse Layout Drainage plan, dated 17/06/17 – submitted with application EPR/TP3636ME/V 005. | --- | Yard surface water and roof water drainage | ---- | ---- | --- | --- |

| 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 buildings 1 to 5 as shown on The Rhyse Layout Plan, dated 14/02/18 | kg N excreted/animal place/year | From 21/02/2021 0.6 kg N/animal place/year | Annually | Using a mass balance of nitrogen based on the feed intake, dietary content of crude protein, and animal performance or estimation by using manure analysis for total nitrogen content | --- |
| | kg P ₂ O ₅ excreted/animal place/year | From 21/02/2021 0.25 kg P ₂ O ₅ animal place/year | Annually | Using a mass balance of phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or estimation by using manure analysis for total phosphorus content | --- |
| | Kg NH ₃ /animal place/year | From 21/02/2021 0.08 kg NH ₃ /animal place/year | Annually | Estimation using emission factors | --- |
| | 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.

| 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 NH ₃ /animal place/year | Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency | 19/03/18 |
| kg N excreted/animal place/year & kg P ₂ O ₅ excreted/animal place/year | Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency | 19/03/18 |
| Dust atmospheric mass emission | Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency | 19/03/18 |

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 | |

| | |
|---|--|
| (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 | |
| To be notified within 24 hours of detection | |
| Date and time of the event | |
| Reference or description of the location of the event | |
| Description of where any release into the environment took place | |
| Substances(s) potentially released | |
| Best estimate of the quantity or rate of release of substances | |
| Measures taken, or intended to be taken, to stop any emission | |
| Description of the failure or accident. | |

| | |
|--|--|
| (b) Notification requirements for the breach of a limit | |
| To be notified within 24 hours of detection | |
| Emission point reference/ source | |
| Parameter(s) | |
| Limit | |
| Measured value and uncertainty | |
| Date and time of monitoring | |
| Measures taken, or intended to be taken, to stop the emission | |

| Time periods for notification following detection of a breach of a limit | |
|---|----------------------------|
| Parameter | Notification period |
| | |
| | |
| | |

| (c) Notification requirements for the detection of any significant adverse environmental 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 soon as practicable

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

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

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

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

“emissions to land” includes emissions to groundwater.

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

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

“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.

“pests” means Birds, Vermin and Insects.

“SGN How to comply – Intensive Farming” The EPR Sector Guidance Note 6.09 for intensive pig and poultry farmers, Version 2 published January 2010.

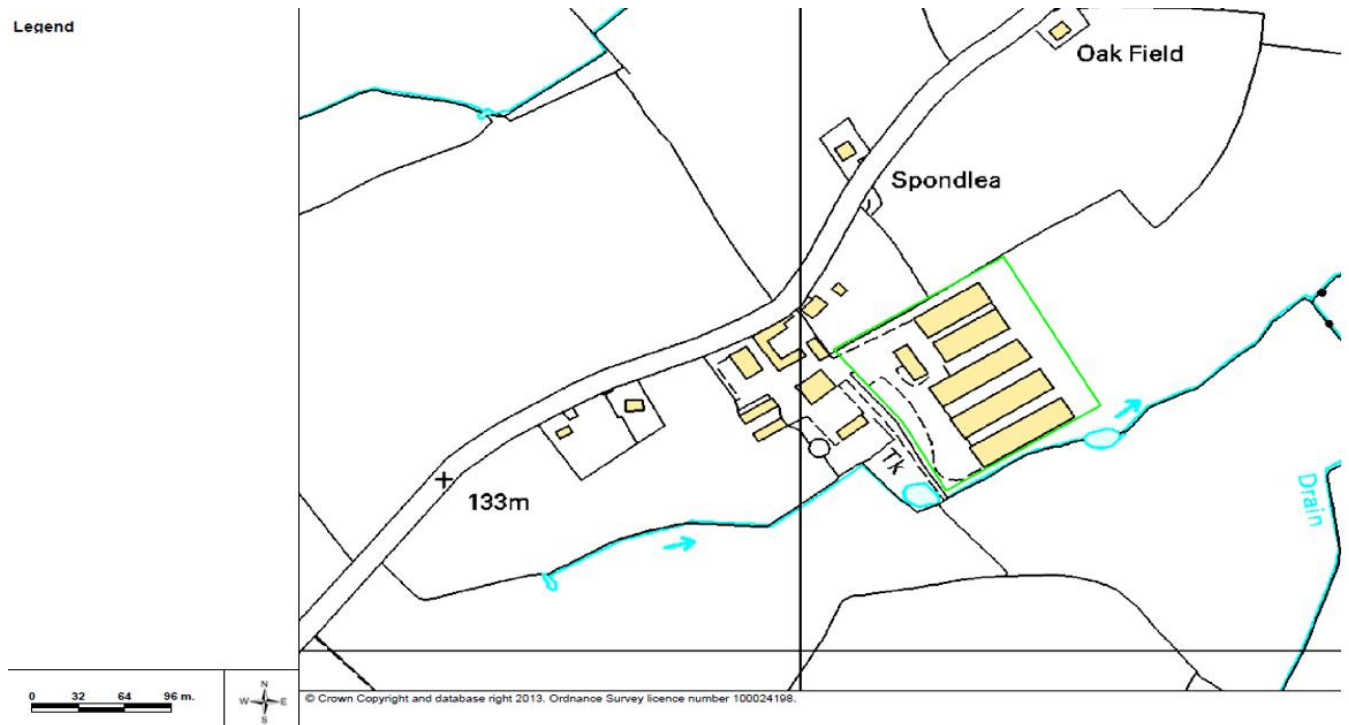
‘Waste code’ means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

“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.



END OF PERMIT

Permit Number: EPR/TP3636ME

Operator: Mr Michael Davies, Mrs Susan Davies and Mr James Davies

Facility Sheds Farm Poultry Unit

Form Number: Process Monitoring 1 / 19/03/2018

Reporting of other performance indicators for the period DD/MM/YYYY to DD/MM/YYYY

Ammonia emissions

| Animal type/housing | Emission Factor utilised in Kg NH3/animal place /year | Total Value for animal type/housing type in kg NH3/year |
|----------------------------|--|--|
| | | Total value for each animal type/housing |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Total | - | Aggregate value to provide total installation emissions |

Operator's comments:

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 |
|--------------|---|--|
| | | Total value for each animal type |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Total | - | 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 |
|--------------|---|--|
| | | Total value for each animal type |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Total | - | 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 |
|--------------|--|--|
| | | Total value for each animal type |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Total | - | Aggregate value to provide total installation emissions |

Operator's comments:

Signed

Date.....

(Authorised to sign as representative of Operator)