

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Hook 2 Sisters Limited

Ellough Turkey Unit
Ellough Farm
Warrens Lane
Benacre Lane
Ellough
Beccles
NR34 7XE

Variation application number

EPR/TP3032YG/V002

Permit number

EPR/TP3032YG

Ellough Turkey Unit

Permit number EPR/TP3032YG

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](#)

Rearing of 400,000 broiler chickens during periods when turkeys (currently permitted) are not required (approximately half of the year). There have been no changes to the housing.

Broilers would be placed at day old and reared to 5-6 weeks of age.

[The rest of the installation is unchanged and continues to be operated as follows.](#)

Allough Turkey Farm is a purpose built turkey rearing unit covering 9.5ha located in an arable and light industrial area 3.3km southeast of Beccles and 1.5km north west of Hulver Street. The unit is situated within a Nitrate Vulnerable Zone and on a minor aquifer with a low leaching potential.

Rearing of 132,000 turkeys. The site comprises of 12 purpose built rearing sheds constructed of timber farm on a concrete base with steel sheet roofs. Roof mounted inlets provide the ventilation with side extraction fans. Units are heated with six biomass boilers, fuelled by virgin wood pellets. All heating and ventilation systems are linked to maintain optimum conditions throughout the growing cycle.

Drinking water is supplied via bell type suspended drinkers placed at intervals. Feed, gas, water consumption, temperature and lighting levels are monitored daily and adjusted as required. A layer of approximately 40mm soft wood shavings is kept on the floor and added to as required throughout the cycle. Mortalities are removed and recorded daily and disposed of via a licenced contractor.

Turkeys will be placed at day old and reared 12-20 weeks of age. Once the sheds are depopulated, all solid manure is removed for off site disposal. All units and equipment are then washed and disinfected prior to restocking. During washdown, all contaminated water is directed via drainage system to holding tanks where it is collected for off site disposal.

The consolidated variation incorporates the BAT conclusions that will be enforced from 2021. This includes the amendment of the wording of several permit conditions.

There is one Special Area of Conservation (SAC), one Special Protection Area (SPA) and one Ramsar within 5km of the installation. In addition there are three Sites of Special Scientific Interest (SSSI) within 5km of the installation, and seven other nature conservation sites within 2km comprising of five Local Wildlife Sites (LWS) and two ancient woodlands. No assessment of the impact of emissions has been carried out due to the emissions of broiler chickens being less than those of turkeys already permitted and the installation is considered to have no adverse effect on the nature conservation sites.

The site is subject to a Climate Change Levy Agreement.

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

The schedules specify the changes made to the permit.

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

| Status log of the permit | | |
|--|-----------------------|---|
| Description | Date | Comments |
| Application EPR/RP3934LN/A001 | Duly made 05/01/07 | Application for an intensive farming poultry installation permit |
| Schedule 4 request | 05/06/07 | Received 18/06/07 |
| Additional information requested | 08/06/07 | |
| Permit determination EPR/RP3934LN | 19/10/07 | Permit issued to Bernard Mathews Food Limited |
| Application reference EPR/RP3934LN/V002 | Duly made 22/10/10 | |
| Variation issued EPR/RP3934LN/V002 | 24/11/10 | Varied permit issued |
| Application reference EPR/RP3934LN/V003 | Duly made 10/03/14 | Application to install six 215kW biomass boilers and updating the permit to modern conditions |
| Variation issued EPR/RP3934LN/V003 | 18/03/14 | Varied permit issued |
| Application EPR/AP3037DB/T001 (full transfer of permit EPR/RP3934LN) | Duly made 02/11/16 | Application to transfer the permit in full to Bernard Matthews Foods Limited |
| Transfer determined EPR/AP3037DB (billing Ref. AP3037DB) | 21/12/16 | Full transfer of permit complete |
| Application EPR/TP3032YG/T001 (full transfer of permit EPR/AP3037DB) | Duly made 26/04/17 | Application to transfer the permit in full to Hook 2 Sisters Limited |
| Transfer determined EPR/TP3032YG PAS billing ref: TP3032YG | 14/06/17 | Full transfer of permit complete |
| Application EPR/TP3032YG/V002 | Duly made 08/10/19 | Application to vary permit to allow for rearing of broilers |
| Variation determined EPR/TP3032YG/V002 | 31/03/20 | Varied permit issued to Hook 2 Sisters Limited |

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/TP3032YG

Issued to

Hook 2 Sisters Limited (“the operator”)

whose registered office is

Cote

Bampton

Oxfordshire

OX18 2EG

company registration number 05969169

to operate an installation at

Ellough Turkey Unit

Ellough Farm

Warrens Lane

Benacre Lane

Ellough

Beccles

NR34 7XE

to the extent set out in the schedules.

The notice shall take effect from 31/03/20

| Name | Date |
|-------------------|-----------------|
| Anne Lloyd | 31/03/20 |

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit EPR/TP3032YG 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/TP3032YG

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/TP3032YG/V002 authorising,

Hook 2 Sisters Limited ("the operator"),

whose registered office is

**Cote
Bampton
Oxfordshire
OX18 2EG**

company registration number 05969169

to operate an installation at

**Ellough Turkey Unit
Ellough Farm
Warrens Lane
Benacre Lane
Ellough
Beccles
NR34 7XE**

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

| Name | Date |
|-------------------|-----------------|
| Anne Lloyd | 31/03/20 |

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.

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, S3.2 and S3.3.
The limits given in schedule 3 shall not be exceeded.
- 3.1.2 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) 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.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter, if during that quarter the total amount accepted exceeds 100 tonnes of non-hazardous waste or 10 tonnes of hazardous waste.

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.

4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

- (a) a decision by the Secretary of State not to re-certify the agreement;
- (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

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 132,000 turkey places. | Rearing of turkeys. - This activity shall not be carried out at the same time as the rearing of broiler chickens. From receipt of birds, raw materials and fuels onto the site to removal of birds and associated wastes from site. |
| 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. | Rearing of broiler chickens. - This activity shall not be carried out at the same time as the rearing of turkeys. From receipt of birds, raw material 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 six biomass boilers with an aggregated thermal rated input not exceeding 1.290MW, 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. |

| Table S1.2 Operating techniques | | |
|--|---|----------------------|
| Description | Parts | Date Received |
| Application EPR/RP3934LN/A001 | The responses to sections B2.3.1, B2.3.2, B2.3.3, B2.6.1, B2.6.2, B2.6.3, B2.7.1 and B2.7.2 in the Application | 05/01/07 |
| Request for information | Confirmation if the raw materials are on the approved supply list | 08/06/07 |
| Variation Application EPR/RP3934LN/V003 | Response to Part C3 section 3 of the application forma and supporting documents, including 'Non-technical summary' document, Odour management plan, and Noise management plan referenced in the document titled 'Management System Summary' | 10/03/14 |
| Additional information received | Email response detailing biomass sore capacity, accident prevention measures and biomass ash disposal | 10/03/14 |
| Variation Application EPR/TP3032YG/V002 | Responses to Part C3 of the application form and referenced supporting documentation | 08/10/19 |

Table S1.3 Improvement programme requirements

| Reference | Requirement | Date |
|-----------|--|-----------|
| IC1 | <p>A written plan shall be submitted to the Agency for approval, following a review of all site drainage at the installation. The plan should 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 addition as notified by the Agency</p> | Completed |
| IC2 | <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 measure 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. 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 boiler units | 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 | Source | Parameter | Limit (including unit) | Reference period | Monitoring frequency | Monitoring standard or method |
| Side fan outlets on poultry sheds 1-12 as shown on the site plan in schedule 7 of the permit | Poultry sheds 1-12 | --- | --- | --- | --- | --- |
| Exhausts from temporary on site generator | Temporary on site generator | --- | --- | --- | --- | --- |
| Vents from oil tanks as shown on the plan in schedule 7 of the permit | Diesel tank | --- | --- | --- | --- | --- |
| Emissions from six biomass boilers as shown on the plan in schedule 7 of the permit | (aggregated) 1.290MW biomass boilers | --- | --- | --- | --- | --- |

| 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 |
| Outlets to Tributary of River Waveney as shown on the plan in schedule 7 of the permit. | Roof and yard drainage serving sheds 1-12 | --- | --- | --- | --- | --- |
| Discharge to land drains surrounding installation as shown on the plan in schedule 7 of the permit. | Roof and yard drainage serving sheds 1-12 | | | | | |

| 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 1-12 | 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 |
| | kg P ₂ O ₅ | From 21/02/2021 | Annually | Using a mass balance of |

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 |
|---|---|---|--------------------------|--|
| | excreted/animal place/year | 0.25 kg P ₂ O ₅ animal place/year | | phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance |
| Broilers in houses 1-12 | kg NH ₃ /animal place/year | From 21/02/2021 0.08 kg NH ₃ /animal place/year | Annually | Estimation using emission factors |
| Turkeys in houses 1-12 | kg N excreted/animal place/year | From 21/02/2021 2.3 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 |
| | kg P ₂ O ₅ excreted/animal place/year | From 21/02/2021 1.0 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 |
| Broilers in houses 1-12 | Dust | n/a | Annually | Estimation using emission factors |
| Turkeys in houses 1-12 | Dust | n/a | Annually | Estimation using emission factors |
| Turkeys in houses 1-12 | Ammonia | 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

| 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 | 31/03/20 |
| kg N excreted/animal place/year | Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency | 31/03/20 |
| kg P ₂ O ₅ excreted/animal place/year | Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency | 31/03/20 |
| Dust atmospheric mass emission | Form Process Monitoring 1 or other form as agreed in writing by the Environment Agency | 31/03/20 |

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.

“virgin timber” means timber from

- Whole trees and the woody parts of trees including branches and bark derived from forestry works, woodland management, tree surgery and other similar operations (it does not include clippings or trimmings that consist primarily of foliage);
- Virgin wood processing (e.g. wood offcuts, shavings or sawdust from sawmills) or timber product manufacture dealing in virgin timber.
- If virgin timber is mixed with waste timber or any other waste, the mixed load is classed as waste.

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

“pests” means Birds, Vermin and Insects.

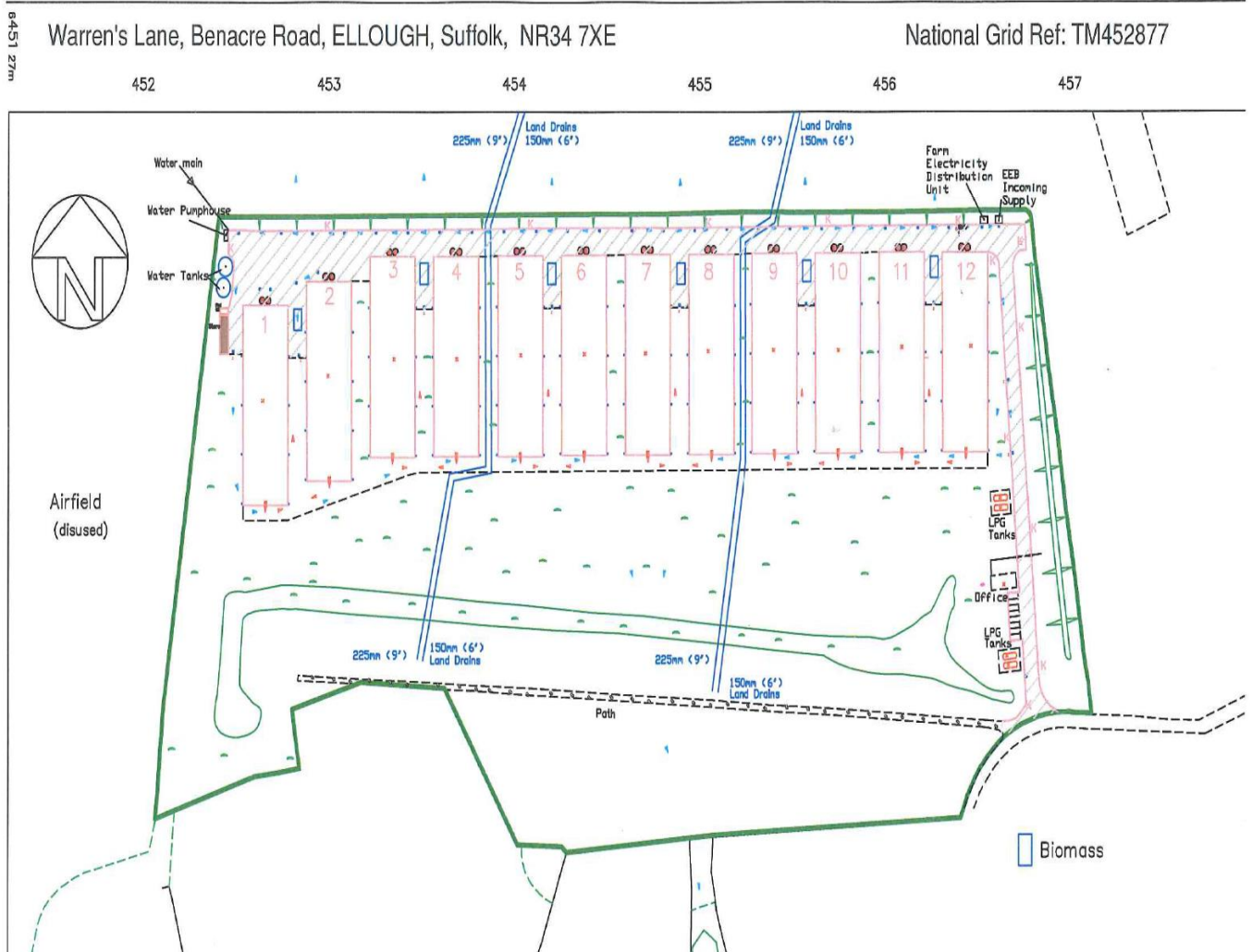
“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk

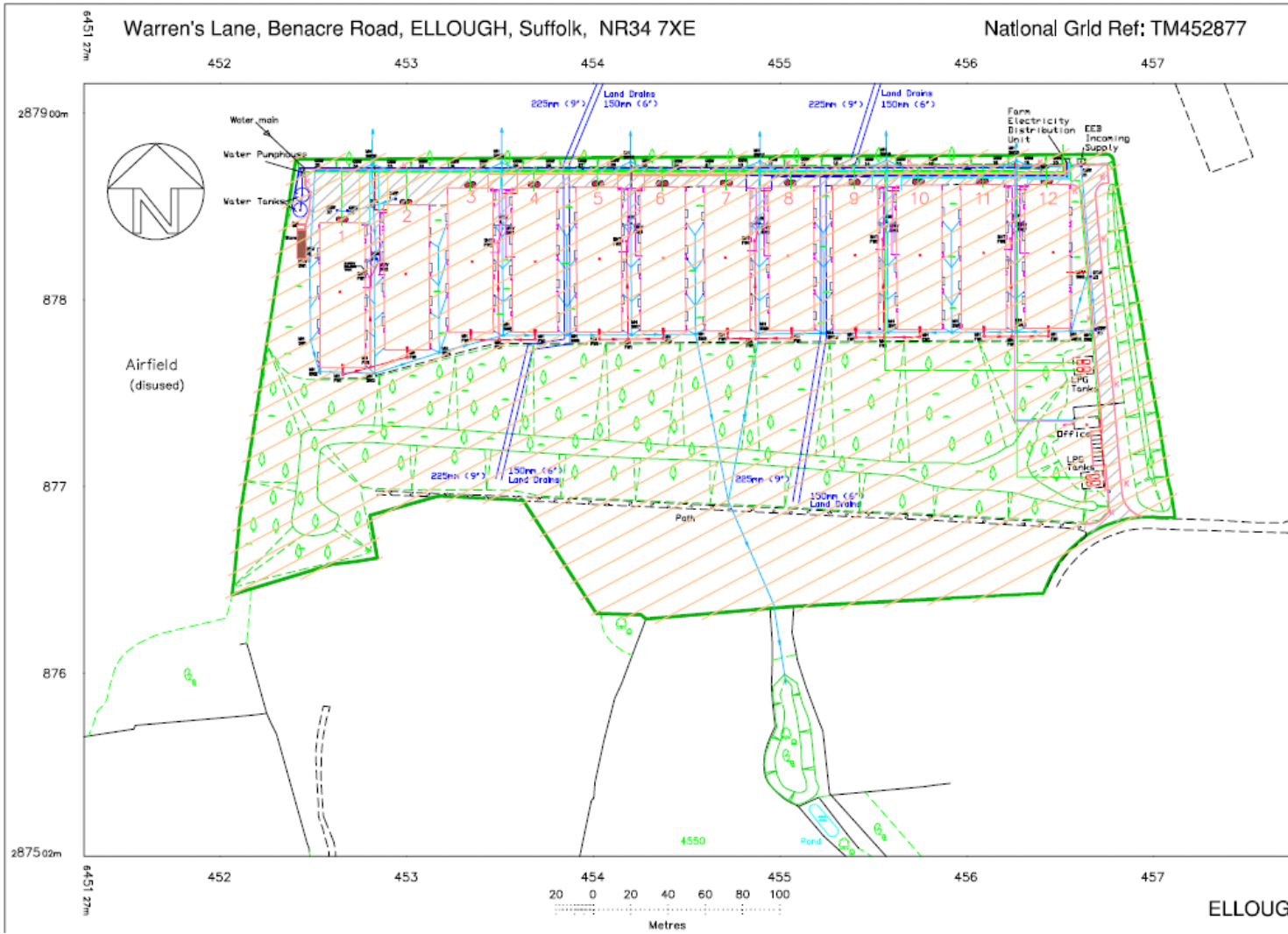
“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

“year” means calendar year ending 31 December.

Schedule 7 – Site plan

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





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END OF PERMIT