

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Mrs Maurine Entwistle, Mr Jason Entwistle
& Mr Darren Entwistle

Borsdane Farm
Jacks Lane
Westhoughton
Bolton
BL5 2DL

Permit number
EPR/NP3436FJ

Borsdane Farm

Permit number EPR/NP3436FJ

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Borsdane Farm is a poultry unit situated approximately 2 kilometres west of the village of Westhoughton, Lancashire. The installation is approximately centred on National Grid Reference SD 62852 06038.

The installation is operated by Mrs Maurine Entwistle, Mr Jason Entwistle and Mr Darren Entwistle and comprises four poultry houses, numbered 1 to 4, which operate a broiler hen rearing regime. All manure is exported from the installation for spreading on land owned by third parties.

The four poultry houses provide a combined capacity for 120,000 broiler places. Day old chicks are brought onto the farm from a hatchery and are grown for around 49 days, with thinning at around 30 and 40 days.

The poultry houses are ventilated by roof fans with an emission point higher than 5.5 metres above ground level and an efflux speed greater than 7 metres per second. All four houses also have gable end fans, although these are operated infrequently to maintain temperature, typically in the summer months.

Associated food is stored on the installation in sealed food bins. Mortalities are collected on a regular basis and stored in a secure container on site for removal. At the end of the cycle the houses are depopulated, washed and disinfected ready for the next cycle. Four heat exchangers are located on site one next to each poultry house. Each heat exchanger has been fitted with an individual holding tank to collect the condensate, which is connected by gravity fed pipework to the main wash water holding tanks.

Water from the wash out of poultry houses is channelled to underground collection tanks close to the houses to await export off site. Roof water from all four houses and water from the yard drains via an attenuation pond to the east of the installation.

There is one Special Area of Conservation (SAC), Manchester Mosses within 10km of the installation. There are three Sites of Special Scientific Interest (SSSI), Bryn Marsh & Ince Moss, Red Moss and Abram Flashes within 5km of the installation. One relevant nature conservation site, 'Borsdane Wood', designated as a Local Wildlife Site (LWS) is located within 200m of the installation.

This permit implements the requirements of the EU Directive on Industrial Emissions.

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

Status log of the permit		
Description	Date	Comments
Application EPR/NP3436FJ/A0001	Duly made 17/06/2013	Application for an intensive farming poultry installation permit.
Additional information received	15/07/2013	Site layout plan, confirmation of emission points.
Permit determined EPR/NP3436FJ	12/09/2013	Permit issued to Mrs Maurine Entwistle, Mr Jason Entwistle & Mr Darren Entwistle

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/NP3436FJ

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

Mrs Maurine Entwistle, Mr Jason Entwistle & Mr Darren Entwistle
("the operator"),

whose principal office is

Lower Eden Farm
Sough Lane
Belthorn
Blackburn
BB1 2PJ

to operate an installation at

Borsdane Farm
Jacks Lane
Westhoughton
Bolton
BL5 2DL

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

Name	Date
C G Morris	12/09/2013

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, including those 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 it kept at or near the place where those duties are carried out.

1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

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;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
- (b) 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
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out 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 (a) 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.
- (b) 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 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.
- 2.3.2 The operator shall maintain and implement a system to record the number of animal places and animal movements.
- 2.3.3 The operator shall take appropriate measures in off-site disposal or recovery of solid manure or slurry to prevent, or where this is not practicable to minimise, pollution.
- 2.3.4 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.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

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 listed in schedule 3 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) 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;
 - (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.
- 3.2.4 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

3.3 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.

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 from pests;
 - (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 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 keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

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 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 (a) In the event 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) in the event 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) in the event 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:
- (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 "without delay", 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 120,000 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 EPR/NP3436FJ/A001	Responses to Part B3 section 3 of the application form and referenced supporting documentation. Best available techniques as described in BAT conclusions under Directive 2010/75/EU of the European Parliament and of the Council on industrial emissions for Intensive Farming installations.	29/04/2013
Additional information requested 11/07/2013	Response to Request for Information confirming emission points and submitting a site plan.	15/07/2013

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	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
High velocity roof fan outlets on poultry houses numbered 1-4 on the site plan in schedule 7	---	Poultry houses 1-4	---	---	---	---
Gable end fan outlets on poultry houses 1-4 as shown in the site plan in application EPR/NP3436FJ/A001		Poultry houses 1-4				
Exhaust from generator as shown on the site plan in application EPR/NP3436FJ/A001	---	Generator	---	---	---	---
Vent from oil tank as shown on the site plan in application EPR/NP3436FJ/A001	---	Diesel Tank	---	---	---	---
Outlet from heat exchangers on poultry houses 1-4 as shown on the site plan in application EPR/NP3436FJ/A001	---	Poultry houses 1-4	---	---	---	---

Table S3.2 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Discharge to surface water south of poultry houses 1-4 as indicated on the drainage plan in application EPR/NP3436FJ/A001	---	Roof water from poultry houses 1-4 intercepted by attenuation ponds prior to discharge	---	---	---	---
Discharge to surface water immediately south of installation boundary as indicated on the drainage plan in application EPR/NP3436FJ/A001	---	Water draining from yard (excluding poultry house wash out periods)	---	---	---	---

Schedule 4 - Reporting

There is no reporting under this schedule.

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 unless otherwise specified below

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.

“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 2010 No.675 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.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

“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.

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

“year” means calendar year ending 31 December.

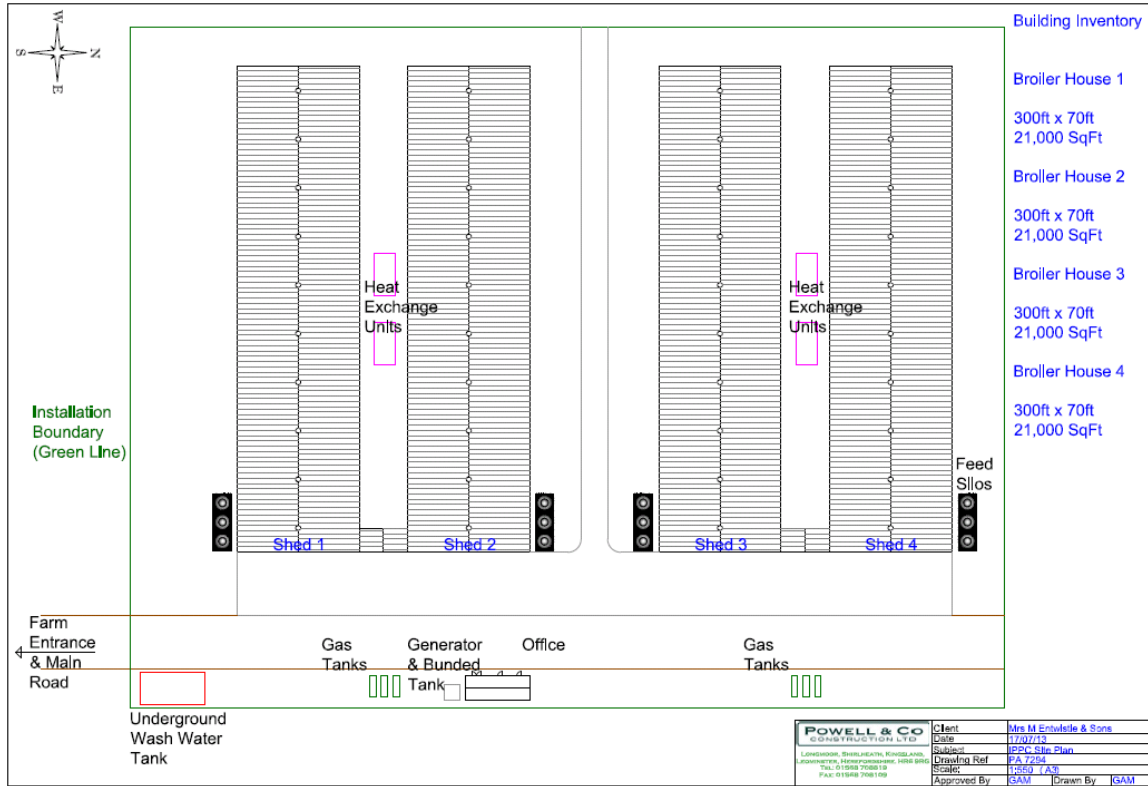
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

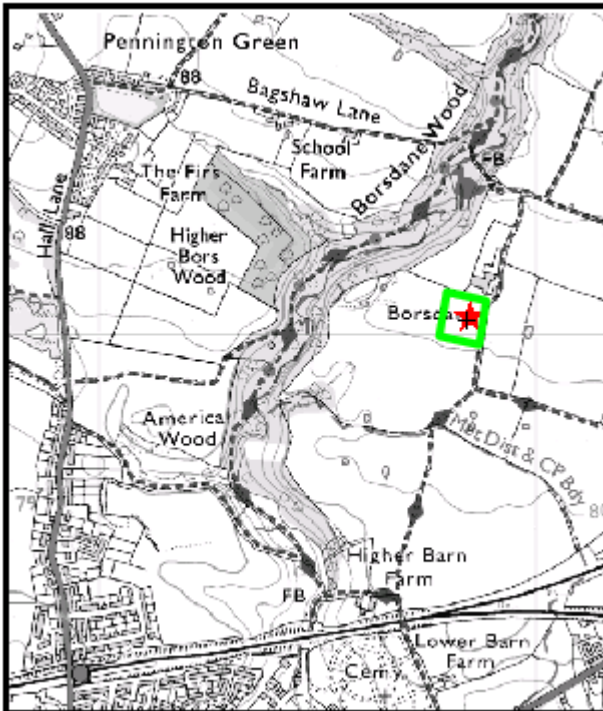
- (a) in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- (b) in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content

Schedule 7 - Site plan

Installation boundary plan



Installation location plan



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END OF PERMIT

Permit Number EPR/NP3436FJ

Environment Agency permitting decisions

Bespoke permit

We have decided to grant the permit for Borsdane Farm operated by Mrs Maurine Entwistle, Mr Jason Entwistle & Mr Darren Entwistle.

The permit number is [EPR/NP3436FJ/A001](#).

We consider in reaching that decision we have taken into account all relevant considerations and legal requirements and that the permit will ensure that the appropriate level of environmental protection is provided.

Purpose of this document

This decision document:

- explains how the application has been determined
- provides a record of the decision-making process
- shows how all relevant factors have been taken into account
- justifies the specific conditions in the permit other than those in our generic permit template.

Unless the decision document specifies otherwise we have accepted the applicant's proposals.

Structure of this document

- Key issues
- Annex 1 the decision checklist
- Annex 2 the consultation and web publicising responses

Key issues of the decision

Industrial Emissions Directive (IED)

The Environmental Permitting (England and Wales) (Amendment) Regulations 2013 were made on the 20 February and came into force on 27 February. These Regulations transpose the requirements of the Industrial Emissions Directive (IED).

This permit implements the requirements of the EU Directive on Industrial Emissions.

Groundwater and soil monitoring

As a result of the requirements of the Industrial Emissions Directive, all permits are now required to contain condition 3.2.4 relating to groundwater

monitoring. However, the Environment Agency's H5 Guidance states **that it is only necessary for the operator to take samples** of soil or groundwater and measure levels of contamination where the evidence that there is, or could be existing contamination and:

- The environmental risk assessment has identified that the same contaminants are a particular hazard; or
- The environmental risk assessment has identified that the same contaminants are a hazard and your risk assessment has identified a possible pathway to land or groundwater.

H5 Guidance further states that it is **not essential for the Operator** to take samples of soil or groundwater and measure levels of contamination where:

- The environmental risk assessment identifies no hazards to land or groundwater; or
- Where the environmental risk assessment identifies only limited hazards to land and groundwater and there is no reason to believe that there could be historic contamination by those substances that present the hazard; or
- Where the environmental risk assessment identifies hazards to land and groundwater but there is evidence that there is no historic contamination by those substances that pose the hazard.

The site condition report: Appendix 4 to the application form for Borsdane Farm (dated 29/04/2013) demonstrated that the hazards to land or groundwater have been mitigated/minimised such that there is little likelihood of pollution and there is no evidence of historic contamination on site.

Therefore, although this condition is included in the permit, no groundwater or soil monitoring will be required at this installation as a result.

Ammonia Assessment

ADAS were commissioned by the operator to conduct dispersion modelling to assess the impact of ammonia emissions from the proposed poultry unit at Borsdane Farm. Ammonia emissions from the proposed poultry houses at the unit were assessed and quantified using figures obtained from the Environment Agency (Environment Agency, 2011). These emission figures have been used in atmospheric dispersion modelling.

The report produced by ADAS has been audited by the Air Quality Modelling and Assessment Unit (AQMAU), who concluded that the applicant's ammonia predictions can be used for the purpose of permit determination. The report presents modelled ammonia concentration levels and nitrogen deposition rates (dry deposition only) for the area surrounding the poultry unit. Particular attention has been given to nearby Borsdane Wood designated as a Local Wildlife Site (LWS), Ancient Woodland (AW) and Local Nature Reserve (LNR).

The impacts of ammonia emissions from the proposed poultry unit at Borsdane Farm are greatest when assessed against the Critical Load for nitrogen deposition of 10 – 20 kg/ha/yr. There is one receptor where the process contribution to the nitrogen deposition rate is predicted to exceed 100% of the Critical Load and three receptors where it is predicted to exceed 50% of the Critical Load when compared to the lowest deposition rate of 10 kg/ha/yr. The area of the exceedance of 100% of the Critical Load of 10 kg/ha/yr is too small to be properly evaluated and represents a minute proportion of the LWS. When compared to the higher deposition rate in the range (20 kg/ha/yr) the deposition is equivalent to 57% of the Critical Load. Taking these considerations into account we believe that there will be no likely significant effect on the LWS.

When assessed against the Critical level of 3.0 ug/m³ and the Critical Load for acidification, the predicted Process Contribution to maximum annual mean ammonia concentration and acid deposition rate are at levels that would be deemed insignificant for permitting purposes.

It should be noted that the Critical Load of 10 kg/ha/yr used to assess impact in this report is the lower bound of the range of Critical Load and that a higher Critical Load may be more appropriate.

The following mitigation has been proposed at the farm:

- High velocity roof mounted fans running an on off system which ensures the extraction velocity is in the region of 15ms⁻¹ per fan in use.
- Heat exchangers will be fitted to each house to recover heat from exhausted air. This accounts for a 35% reduction in ammonia emissions.

Annex 1: decision checklist

This document should be read in conjunction with the Duly Making checklist, the application and supporting information and permit/ notice.

Aspect considered	Justification / Detail	Criteria met
		Yes
Consultation		
Scope of consultation	The consultation requirements were identified and implemented. The decision was taken in accordance with RGN 6 High Profile Sites, our Public Participation Statement and our Working Together Agreements.	✓
Responses to consultation and web publicising	The web publicising and consultation responses (Annex 2) were taken into account in the decision. The decision was taken in accordance with our guidance.	✓
Operator		
Control of the facility	We are satisfied that the applicant (now the operator) is the person who will have control over the operation of the facility after the grant of the permit. The decision was taken in accordance with EPR RGN 1 Understanding the meaning of operator.	✓
European Directives		
Applicable directives	All applicable European directives have been considered in the determination of the application. This permit implements the requirements of the EU Directive on Industrial Emissions.	✓
The site		
Extent of the site of the facility	The operator has provided a plan which we consider is satisfactory, showing the extent of the site of the facility A plan is included in the permit and the operator is required to carry on the permitted activities within the site boundary.	✓
Planning permission	We are satisfied that planning permission is in place and is appropriate for the relevant waste operation(s) applied for.	✓

Aspect considered	Justification / Detail	Criteria met
		Yes
Site condition report	<p>The operator has provided a description of the condition of the site.</p> <p>We consider this description is satisfactory. The decision was taken in accordance with our guidance on site condition reports and baseline reporting under IED–guidance and templates (H5).</p> <p>See Key issues section relating to soil and groundwater monitoring conditions.</p>	✓
Biodiversity, Heritage, Landscape and Nature Conservation	<p>The application is within the relevant distance criteria of a site of heritage, landscape or nature conservation, and/or protected species or habitat .</p> <p>A full assessment of the application and its potential to affect the sites has been carried out as part of the permitting process. We consider that the application will not affect the features of the sites.</p> <p>The following assessments were performed:</p> <p>Appendix 11 – showed that although emissions were below 4% at the receiving site Therefore, this screens out from requiring further assessment. As a result, the Appendix 11 was sent to Natural England <u>for information only</u> on 03/09/2013.</p> <p>Appendix 4 – showed that the proposed permission is <u>not likely to damage</u> any of the flora, fauna or geological or physiological features which are of special interest. The Process Contribution (PC) is predicted to be <20% Critical Level therefore deemed insignificant and it is possible to conclude no damage. As a result, the Appendix 4 was saved to file for audit only on 03/09/2013.</p> <p>Other conservation sites – the PC is < 100% of the relevant Critical Level and 114% of the Critical Load at a nearby Local Wildlife Site. The assessment proforma detailing the conclusion of the detailed modelling was saved to file for audit purposes only on 13/08/2013.</p> <p>Formal consultation has been carried out with the relevant bodies in accordance with our Operational</p>	✓

Aspect considered	Justification / Detail	Criteria met
		Yes
	Instruction 84_07, and as such no responses were required to be taken into account in the permitting decision.	
Environmental Risk Assessment and operating techniques		
Environmental risk	We have reviewed the operator's assessment of the environmental risk from the facility. The operator's risk assessment is satisfactory.	✓
Operating techniques	We have reviewed the techniques used by the operator and compared these with the relevant guidance notes. The proposed techniques for priorities for control are in line with the benchmark levels contained in the Sector Guidance Note EPR6.09 and we consider them to represent appropriate techniques for the facility. We consider that the emission limits included in the permit reflect the BAT for the installation. The following techniques are proposed: <ul style="list-style-type: none"> • All four poultry houses are ventilated with high velocity ridge mounted fans to ensure adequate dispersion of ammonia emissions. • Each house will have an associated heat exchanger to reduce ammonia emissions by 35%. 	✓
The permit conditions		
Incorporating the application	We have specified that the applicant must operate the permit in accordance with descriptions in the application, including all additional information received as part of the determination process. These descriptions are specified in the Operating Techniques table in the permit.	✓
Operator Competence		
Environment management system	There is no known reason to consider that the operator will not have the management systems to enable it to comply with the permit conditions. The decision was taken in accordance with RGN 5 on Operator Competence.	✓

Aspect considered	Justification / Detail	Criteria met
		Yes
Relevant convictions	<p>The National Enforcement Database has been checked to ensure that all relevant convictions have been declared.</p> <p>No relevant convictions were found.</p> <p>The operator satisfies the criteria in RGN 5 on Operator Competence.</p>	✓
Financial provision	<p>There is no known reason to consider that the operator will not be financially able to comply with the permit conditions. The decision was taken in accordance with RGN 5 on Operator Competence.</p> <p>The financial provision arrangements satisfy the financial provisions criteria.</p>	✓

Annex 2: Consultation and web publicising responses

Summary of responses to consultation and web publication and the way in which we have taken these into account in the determination process. (Newspaper advertising is only carried out for certain application types, in line with our guidance.)

Response received from
Public Health England, Manchester, 24 th June 2013
Brief summary of issues raised
<p>It is recommended that the Regulator seek clarification from the Operator on the fugitive emissions to air and confirm that mitigating actions are suitably identified.</p> <p>These sites occasionally present odour problems and we recommend that the Environment Agency confirm that no recent nuisance complaints have been received about this installation. The nature of any recent complaints should be supplied and the Environment Agency should ensure that these complaints have been appropriately investigated. It is recommended that this issue needs to be clarified prior to any issuing of an environmental permit. It is noted that the Operator has made available the site Noise and Odour Management Plans.</p> <p>Intensive farming processes have the potential to generate bio aerosols, which are composed of naturally occurring bacteria and chemicals produced when organic matter decomposes. We recommend that the Regulator is satisfied that the Operator has appropriate procedures in place to manage and reduce bioaerosol emissions. This will provide greater reassurance to local residents in the vicinity of the site and should ensure a high level of environmental performance at the facility.</p>
Summary of actions taken or show how this has been covered
<p>The Operator is required to manage activities at the proposed poultry farm in accordance with their noise and odour management plans, submitted with their application.</p> <p>The Operator is required under conditions 3.3.1 & 3.4.1 to ensure emissions from the activities shall be free from odour and noise at levels likely to cause annoyance outside the site.</p> <p>The local compliance officer has confirmed (email 13/06/2013 saved on EDRM) that there are no issues or substantiated complaints associated with this installation.</p> <p>Condition 3.2.1 - 3.2.2 in the permit addresses fugitive emissions (the release of bio aerosols at a level considered to be polluting would be considered fugitive emissions) and gives the Environment Agency the power to ask for a revised management plan detailing further control measures which must be used to manage particulate emission risk. There are no sensitive receptors within 150m of the installation.</p>

The following were also consulted, but no response received:

- The Health and Safety Executive (HSE)
- The Food Standards Agency (FSA)
- The Local Planning Authority - Bolton Metropolitan Borough Council
- Environmental Health - Bolton Metropolitan Borough Council
- Bolton Primary Care Trust (PCT)