Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Littlebeck Poultry Farm
Brooke Farm Limited
Littlebeck Lane
Brooke
Norfolk
NR15 1ET

Permit number

EP3330UN

Littlebeck Poultry Farm
Permit Number EP3330UN

Introductory note

This introductory note does not form a part of the permit

The main features of the installation are as follows. The installation is located in Brooke, Norfolk, and covers approximately 2.8 hectares centred at grid reference TM 2880 9730. The nearest European habitat site is Broadland SPA, approximately 7332 m from the installation. The nearest SSSI site is Shotesham-Woodton Hornbeam Woods SSSI, approximately 3146 m from the installation.

There are 7 poultry houses with 90,500 places designed for rearing chickens for meat production. Brids are brought in from a hatchery and are transported to a processing plant at the end of the growing period. The average cycle length is 63 days.

Five of the poultry houses are up to 15 years old and they are all built of wood with steel cladding and part concrete walls with a steel roof and are sited on a concrete base. All walls and roofs are fitted with the original insulation, which is considered to be in good condition. Ventilation is provided by ridge fans and tunnel ventilation. The ventilation system is regularly adjusted according to the age and requirements of the crop.

Prior to arrival of the day-old birds, the concrete floors in each house are covered with wood shavings and the houses are pre-warmed using gas fuelled brooders.

As the birds grow, the ventilation rate increases and the house temperature is gradually reduced until the brooders can be switched off.

Feed is purchased from a seperately owned feed mill and it is stored on site in fully enclosed galvanised steel bins. Diets are formulated according to the birds requirements and the stage of growth. Protein and phosphorus levels are reduced over the growing period. Water is provided via nipple drinkers which are designed to minimise spillage. This, together with good environmental control in the houses helps to maintain good litter condition and hence reduce ammonia and odours. Water use is monitored during each crop. Low energy lighting systems are used throughout the site.

Birds which die during the production cycle are removed from houses each day and the numbers recorded. The carcasses are held in a covered vermin proof skip which is changed regularly. It is then removed from the site. At the end of the growing period, all birds are removed from the poultry houses and the litter is taken from the site by a contractor. The empty houses are then washed and disinfected ready for the next crop. The wash water is channelled to underground collection tanks close to the houses. In summer, when these tanks are full they are pumped out onto a grassed area of approximately ½ acre located between the houses. Lightly contaminated water currently drains to ditch via a grassed area at the side of the sheds.

These measures are intended to reduce the productiona and emission of ammonia, dust and odours and to prevent liquid washings escaping to the environment. This in turn should reduce the environmental impact of the farming activities.

Releases from this type of installation may include releases of ammonia and dust to air, releases to controlled water, land and groundwater and releases of odour and noise.

Status Log of the permit		
Detail	**Date**	**Response Date**
Application EP3330UN	Duly made 07/02/07	
Additional Information Request	09/05/07	27/06/07
Permit determined	28/09/07	

End of Introductory Note

Permit

Permit number
EP3330UN

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby authorises
Brooke Farm Limited ("the operator"),

whose registered office is

Stitches Farm
Lower Chase
Althorne
Chelmsford
Essex
CM3 6BY

company registration number 3860563

to operate an installation at

Littlebeck Poultry Farm

Littlebeck Lane

Brooke

Norfolk

NR15 1ET

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

Signed	Date
	28th September 2007

J. R. Murphy

Authorised to sign on behalf of the Agency

Conditions

1 Management

1.1 General management

1.1.1 The activities shall be managed and operated:

(a) in accordance with a management system, which identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents and non-conformances and those drawn to the attention of the operator as a result of complaints; and

(b) by sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the activities.

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 Accident management plan

1.2.1 The operator shall:

(a) maintain and implement an accident management plan;

(b) review and record at least every 4 years or as soon as practicable after an accident, (whichever is the earlier) whether changes to the plan should be made;

(c) make any appropriate changes to the plan identified by a review.

1.3 Energy efficiency

1.3.1 The operator shall:

(a) take appropriate measures to ensure that energy is used efficiently in the activities;

(b) review and record at least every 4 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.

1.4 Efficient use of raw materials

1.4.1 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 4 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.

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

1.5.1 The operator shall:

(a) take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment;

(b) review and record at least every 4 years whether changes to those measures should be made; and

(c) take any further appropriate measures identified by a review.

1.6 Site security

1.6.1 Site security measures shall prevent unauthorised access to the site, as far as practicable.

2 Operations

2.1 Permitted activities

2.1.1 The operator is 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 red on the site plan at schedule 2 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 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:

(a) maintain and implement a manure management plan;

(b) review and record at least every 4 years whether changes to the plan should be made;

(c) make any appropriate changes to the plan identified by the review.

2.4 Off-site conditions

There are no off-site conditions under this section.

2.5 Improvement programme

2.5.1 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 Agency.

2.5.2 Except in the case of an improvement which consists only of a submission to the Agency, the operator shall notify the Agency within 14 days of completion of each improvement.

2.6 Pre-operational conditions

There are no pre-operational conditions in this permit.

2.7 Closure and decommissioning

2.7.1 The operator shall maintain and operate the activities so as to prevent or where that is not practicable, to minimise, any pollution risk on closure and decommissioning.

2.7.2 The operator shall maintain a site closure plan which demonstrates how the activities can be decommissioned to avoid any pollution risk and return the site to a satisfactory state.

2.7.3 The operator shall carry out and record a review of the site closure plan at least every 4 years.

2.7.4 The site closure plan (or relevant part thereof) shall be implemented on final cessation or decommissioning of the activities or part thereof.

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 4 tables S4.1 and S4.2.

3.2 Transfers off-site

3.2.1 Records of all the wastes sent off site from the activities, for either disposal or recovery, shall be maintained.

3.3 Fugitive emissions of substances

3.3.1 Fugitive emissions of substances (excluding odour, noise and vibration) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.3.2 All liquids 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.

3.4 Odour

3.4.1 Emissions from the activities shall be free from odour at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures, including those specified in schedule 1 table S1.4, to prevent or where that is not practicable to minimise the odour.

3.5 Noise and vibration

3.5.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures, including those specified in schedule 1 table S1.5, to prevent or where that is not practicable to minimise the noise and vibration.

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 Agency, for at least 6 years from the date when the records were made.

4.1.2 Any records required to be made by this permit shall be supplied to the Agency within 14 days where the records have been requested in writing by the Agency.

4.1.3 All records required to be held by this permit shall be held on the site or at another location agreed by the Agency and shall be available for inspection by the Agency at any reasonable time.

4.2 Reporting

4.2.1 A report or reports shall be submitted to the Agency by 31 January (or other date agreed with the Agency) each year. The report (s) shall include;

(a) where the operator's management system encompasses annual improvement targets, a summary report of the previous year's progress against such targets;

(b) details of any contamination or decontamination of the site which has occurred.

4.2.2 The operator shall, unless notice under this condition has been served within the preceding 4 years, submit to the Agency, within 6 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.

4.2.3 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency.

4.3 Notifications

4.3.1 The Agency shall be notified without delay following the detection of:

(a) any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution;

(b) the breach of a limit specified in the permit;

(c) any significant adverse environmental effects.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 6 to this permit within the time period specified in that schedule.

4.3.3 Prior written notification shall be given to the Agency of the following events and in the specified timescales:

(a) as soon as practicable prior to the permanent cessation of any of the activities;

(b) cessation of operation of part or all of the activities for a period likely to exceed 1 year; and

(c) resumption of the operation of part or all of the activities after a cessation notified under (b) above.

4.3.4 The Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.3.5 Where the 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 Agency when the relevant monitoring is to take place. The operator shall provide this information to the Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.6 The Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

(a) any change in the operator's trading name, registered name or registered office address;

(b) any change to particulars of the operator's ultimate holding company (including details of an ultimate holding company where an operator has become a subsidiary); and

(c) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 7 shall have the meaning given in that schedule.

Schedule 1 – Operations

Table S1.1 Activities		
Activity listed in Schedule 1 of the PPC Regulations	**Description of specified activity**	**Limits of specified activity**
Section 6.9 A(1)(a) Rearing of poultry or pigs intensively in an installation with more than: (i) 40,000 places for poultry.	The rearing of poultry in a facility with a capacity for 90,500 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		
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Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	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.	07/02/07
Request for Information dated 09/05/07	Response to Request for Information confirming the installation boundary and the drainage facilities/ plans at the installation.	27/06/07

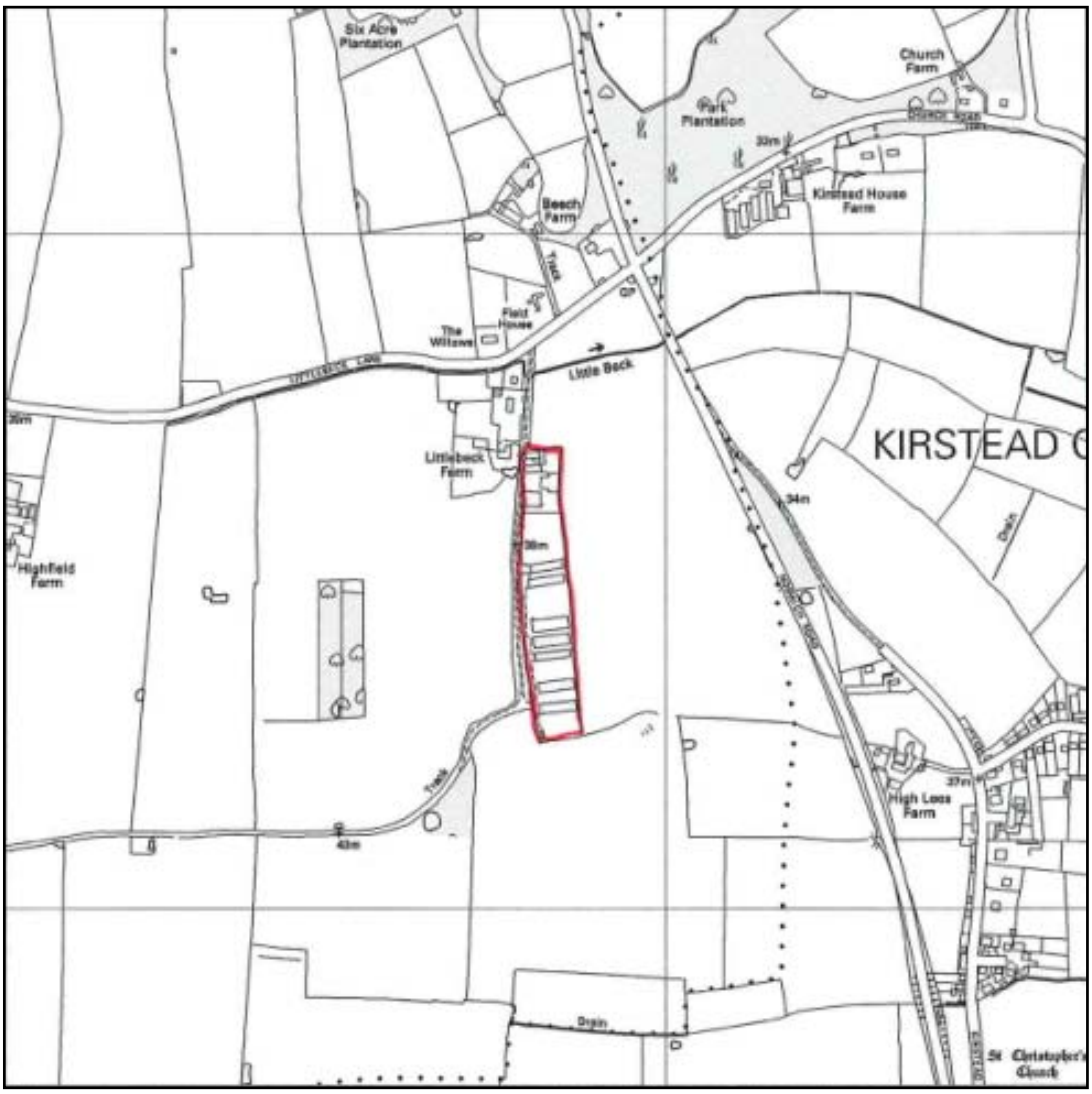
Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1	A written plan shall be submitted to the Agency for approval, following a review of all site drainage at the installation. The plan should take into account the appropriate measures for the management of drainage systems and run-off in S3.3 of TGN How to Comply, Version 1, including specific reference to the prevention of diffuse emissions to ground arising from the contamination of rainwater by the roof ventilation outlets, 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. 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.	30/09/08
IC2	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 The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the plan. 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.	30/09/08

Table S1.4 Appropriate measures for odour	
Measure	**Dates**
The operator shall maintain and implement the odour management plan submitted with the application in accordance with TGN SRG 6.02(Farming), Odour Management at Intensive Livestock Installations The operator shall review the plan and record at least every 4 years or as soon as practicable after a complaint, (whichever is the earlier) whether changes to the plan should be made and make any appropriate changes to the plan identified by a review.	28/09/07

Table S1.5 Appropriate measures for noise	
Measure	**Dates**
The operator shall maintain and implement the noise management plan submitted with the application in accordance with TGN SRG 6.02(Farming), Noise Management at Intensive Livestock Installations. The operator shall review and record at least every 4 years or as soon as practicable after a complaint, (whichever is the earlier) whether changes to the plan should be made and make any appropriate changes to the plan identified by a review.	28/09/07

Schedule 2 – Site plan

Site Location



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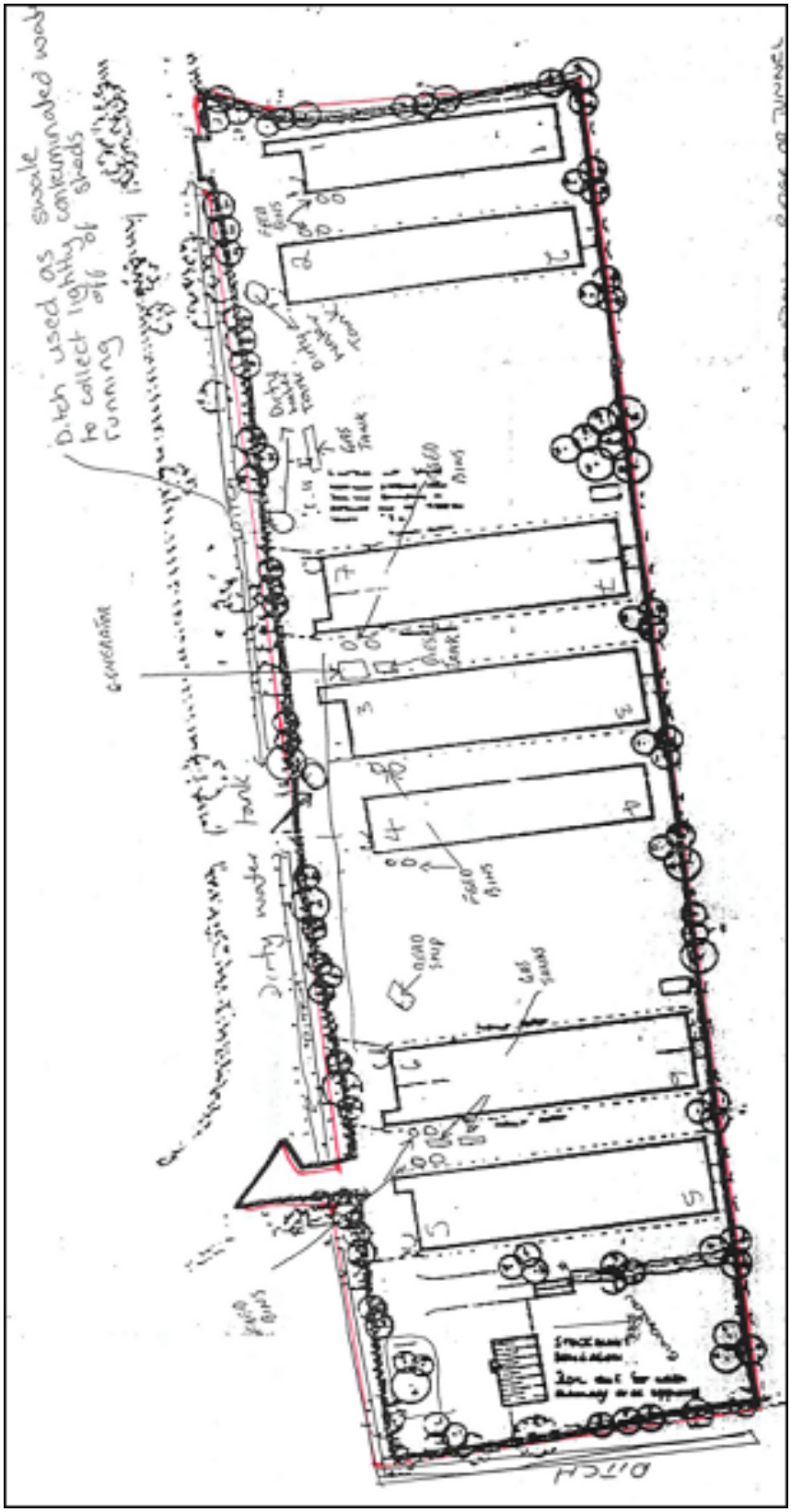
Site Layout


Ditch used as swale to collect leaching contaminated water off sheds running
GENERATOR
Dirty water tank
Field Bins
Gas Tank
Dirty water pump
Gas tanks
Field bins
Field bins
Field bins
Field bins
DITCH

Schedule 3 – Waste types, raw materials and fuels

Table S3.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
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Schedule 4 – Emissions and monitoring

Table S4.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
Roof fan outlets on buildings 1 – 7 shown on the site plan in schedule 2	---	Poultry sheds 1 – 7	----	---	---	---
Vent from LPG tanks as shown on the site plan in schedule 2	---	LPG Tanks	----	---	---	---
Exhausts from stand-by generator as shown on the site plan in schedule 2	---	Standby generator	----	---	---	---
Vent from oil tank as shown on the site plan in schedule 2	---	Diesel Tank	----	---	---	---

Table S4.2 Point source emissions to land – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
Ditch as shown on the site plan in schedule 2	---	Roof water from buildings 1– 7	----	---	---	---

Schedule 5 – Reporting

No reports are required under this schedule.

Schedule 6 – 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 PPC Regulations.

Part A

Permit Number	**EP3330UN**
Name of operator	**Brooke Farm Limited**
Location of Installation	**Littlebeck Poultry Farm, Littlebeck Lane, Brooke, Norfolk, NR15 1ET**
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission 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 installation in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of Brooke Farm Limited

Schedule 7 – Interpretation

"*accident*" means an accident that may result in pollution.

"*annually*" means once every year.

"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 4 to the PPC Regulations.

"authorised officer" means any person authorised by the 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.

"fugitive emission" means an emission to air, water or land from the activities which is not controlled by an emission limit.

"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.

'Manure management plan' means the requirements described in Section 7.2 of TGN How to Comply.

"Manure and slurry" has the meaning given in TGN How to Comply.

"notify without delay" and "notified without delay" means that a telephone call can be used, whereas all other reports and notifications must be supplied in writing, either electronically or on paper.

"PPC Regulations" means the Pollution, Prevention and Control (England and Wales) Regulations SI 2000 No.1973 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

"*quarter*" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"TGN How to comply" The IPPC Technical Guidance Note for intensive pig and poultry farmers, Version 1 published April 2006.

"year" means calendar year ending 31 December.

END OF PERMIT