

LICENCE REG. NO. P0467-02 HAS BEEN REVISED

Please note that licence Reg. No. P0467-02 was reviewed and replaced by the revised licence
Reg. No. P0467-03

This licence was amended on 16 December 2013 under Section S82A(11) of the Environmental Protection Agency Act 1992 as amended. The details of the Amendment must be read in conjunction with this licence. The amendment document is entitled "IED Amendment".



Headquarters
P.O. Box 3000
Johnstown Castle Estate
County Wexford
Ireland

INTEGRATED POLLUTION PREVENTION & CONTROL LICENCE

Licence Register Number:	P0467-02
Licensee:	Woodville Pig Farms Limited
Location of Installation:	Breeding Unit: Woodville, Ballymackey, Co. Tipperary. Production Pig Unit: Ballyknockane, Ballymackey, Co. Tipperary.

ENVIRONMENTAL PROTECTION AGENCY ACTS, 1992 TO 2011

INTEGRATED POLLUTION PREVENTION AND CONTROL
LICENCE

Decision of Agency, under Section 90(2) of the Environmental Protection Agency Acts, 1992 to 2011.

Reference number in
Register of licences: P0467-02

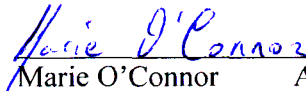
Further to notice dated 20/09/2011 the Agency in exercise of the powers conferred on it by the Environmental Protection Agency Acts, 1992 to 2011, for the reasons hereinafter set out, hereby grants a revised IPPC licence to Woodville Pig Farms Limited, Woodville, Ballymackey, Nenagh, County Tipperary, to carry on the following activity:

- the rearing of pigs in an installation, whether within the same complex or within 100 metres of the same complex, where the capacity exceeds 750 places for sows in a breeding unit, 285 places for sows in an integrated unit and 2,000 places for production pigs,

at Woodville, Ballymackey, Nenagh, Co Tipperary subject to the conditions as set out.

GIVEN under the Seal of the Agency this 27th day of July 2012

PRESENT when the seal of the Agency
was affixed hereto:


Marie O'Connor Authorised Person

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INTRODUCTION

This introduction is not part of the licence and does not purport to be a legal interpretation of the licence.

Woodville Pig Farms Limited was granted an IPPC licence Reg. No. 467-01 to operate a 620 sow integrated unit located at Woodville, Ballymackey, Nenagh, County Tipperary on 29 March 2000. By agreement with the Agency under IPPC licence Reg No. P0467-01 the maximum licensed animal numbers were amended to 220 farrowing sows, 700 dry sows, 109 gilts, 12 boars, 3,840 weaners and 0 production pigs, i.e. a 920 sow breeding unit on 20 April 2004. Woodville Pig Farms Limited is located in a rural area of Tipperary approximately 12 km north east of Nenagh town.

The installation is authorised to undertake the following activity under the terms of this revised licence:

- 1) to incorporate an existing production pig unit located at Ballyknockane, Ballymackey, Nenagh, County Tipperary.

The breeding unit and production pig unit are located on separate sites within approximately 1.8 km of the each other.

This installation falls within the scope of category 6.6 *Installation for the intensive rearing of poultry or pigs with more than (b) 2000 places for production pigs (over 30kg); and (c) 750 places for sows* of Annex 1 of Council Directive 2008/1/EC concerning integrated pollution prevention and control.

The licence sets out in detail the conditions under which Woodville Pig Farms Limited, Woodville, Ballymackey, Nenagh, County Tipperary will operate and manage this installation.

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Glossary of Terms

All terms in this licence should be interpreted in accordance with the definitions in the Environmental Protection Agency Acts 1992 to 2011 / Waste Management Acts 1996 to 2011, unless otherwise defined in the section.

Adequate lighting	20 lux measured at ground level.
AER	Annual Environmental Report.
Agreement	Agreement in writing.
Animal By-Product Regulations	Regulation (EC) No. 1069 /2009 of the European Parliament and of the Council of 21 October 2009.
Annually	All or part of a period of twelve consecutive months.
Application	The application by the licensee for this licence.
Appropriate Facility	A waste management facility, duly authorised under relevant law and technically suitable.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of this licence application.
BAT	Best Available Techniques.
Biannually	At approximately six - monthly intervals.
Biennially	Once every two years.
BOD	5 day Biochemical Oxygen Demand (without nitrification suppression).
CEN	Comité Européen De Normalisation - European Committee for Standardisation.
COD	Chemical Oxygen Demand.
Containment boom	A boom that can contain spillages and prevent them from entering drains or watercourses or from further contaminating watercourses.
Customer Farmers	Farmers who may use/recover organic fertiliser generated at the installation as fertiliser on their lands.
Customer Farmers' Lands	The lands owned/managed by customer farmers.
Daily	During all days of plant operation and, in the case of emissions, when emissions are taking place; with at least one measurement on any one day.

Day	Any 24 hour period.
Daytime	0800 hrs to 2200 hrs.
dB(A)	Decibels (A weighted).
DO	Dissolved oxygen.
Documentation	Any report, record, results, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
EIS	Environmental Impact Statement
EMP	Environmental Management Programme.
Emission limits	Those limits, including concentration limits and deposition rates, established in <i>Schedule B: Emission Limits</i> , of this licence.
Environmental damage	As defined in Directive 2004/35/EC.
EPA	Environmental Protection Agency.
European Waste Catalogue (EWC)	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 2000/532/EC and any subsequent amendment published in the Official Journal of the European Community.
Facility	Any site or premises used for the purpose of the recovery or disposal of waste.
Fortnightly	A minimum of 24 times per year, at approximately two week intervals.
Freeboard	The difference in elevation between the maximum elevation of the slurry/manure and the minimum elevation of the storage tank (i.e. the minimum spare vertical height between tank contents and point of over-topping).
ha	Hectare.
Hours of operation	The hours during which the installation is authorised to be operational.
IFI	Inland Fisheries Ireland.

Incident	The following shall constitute as incident for the purposes of this licence: (i) an emergency; (ii) any emission which does not comply with the requirements of this licence; (iii) any trigger level specified in this licence which is attained or exceeded; and, (iv) any indication that environmental pollution has, or may have, taken place.
Installation	A stationary technical unit or plant where the activity concerned referred to in the First Schedule of EPA Acts 1992 to 2011 is or will be carried on, and shall be deemed to include any directly associated activity, which has a technical connection with the activity and is carried out on the site of the activity.
Intensive Pig and/or Poultry unit	Activities which are required to hold an IPPC Licence.
IPPC	Integrated Pollution Prevention & Control.
K	Kelvin.
kPa	Kilopascals.
L_{eq}	Equivalent continuous sound level.
Licensee	Woodville Pig Farms Limited, Woodville, Ballymackey, Nenagh, Co. Tipperary.
Local Authority	North Tipperary County Council.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to perform its function adequately.
Mass flow limit	An emission limit value expressed as the maximum mass of a substance that can be emitted per unit time.
Mass flow threshold	A mass flow rate above which a concentration limit applies.
Monthly	A minimum of 12 times per year, at intervals of approximately one month.
Night-time	2200 hrs to 0800 hrs.
Noise-sensitive location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other installation or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.

Odour-sensitive location	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of odour at nuisance levels.
Organic fertiliser	Any fertiliser other than that manufactured by industrial process and includes livestock manure, dungstead manure, farmyard manure, slurry, soiled water, silage effluent, non-farm organic substances such as sewage sludge, industrial by-products and sludges and residues from fish farms.
Owner/operator	IPPC licensee.
Places for Sows	Places for female pigs after their first farrowing and places for gilts, (i.e., female pigs which have already been serviced, but have not yet farrowed).
Production pig	Any pig over 30kg in weight which is being fattened for slaughter.
PRTR	Pollutant Release and Transfer Register.
Quarterly	All or part of a period of three consecutive months beginning on the first day of January, April, July or October.
Sample(s)	Unless the context of this licence indicates to the contrary, the term samples shall include measurements taken by electronic instruments.
Sanitary effluent	Wastewater from installation toilet, washroom and canteen facilities.
Slurry/Manure	Animal faeces, urine, washwater and any associated feed or bedding.
SOP	Standard operating procedure.
Sow	A female pig after its first farrowing.
Specified emissions	Those emissions listed in <i>Schedule B: Emission Limits</i> , of this licence.
Standard method	A National, European or internationally recognised procedure (e.g. I.S. EN, ISO, CEN, BS or equivalent); or an in-house documented procedure based on the above references; a procedure as detailed in the current edition of "Standard Methods for the Examination of Water and Wastewater" (prepared and published jointly by A.P.H.A., A.W.W.A. & W.E.F.), American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA; or an alternative method as may be agreed by the Agency.
Storm water	Rain water run-off from roof and non-process areas.
The Agency	Environmental Protection Agency.
Trigger level	A parameter value, the achievement or exceedance of which requires certain actions to be taken by the licensee.

- Washwater** Water contaminated by use in the washing of yards and animal housing.
- Weekly** During all weeks of plant operation and, in the case of emissions, when emissions are taking place; with at least one measurement in any one week.

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Decision & Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this licence, any emissions from the activity will comply with and will not contravene any of the requirements of Section 83(5) of the Environmental Protection Agency Acts 1992 to 2011.

In reaching this decision the Environmental Protection Agency has considered the application, supporting documentation and objection received from the applicant, all objections received from other parties and the reports of its inspectors.

Part I Schedule of Activities Licensed

In pursuance of the powers conferred on it by the Environmental Protection Agency Acts 1992 to 2011, the Agency hereby grants this revised Integrated Pollution Prevention & Control licence to:

Woodville Pig Farms Limited, Woodville, Ballymackey, Nenagh, County Tipperary, under Section 90(2) of the said Acts to carry on the following activity:

- the rearing of pigs in an installation, whether within the same complex or within 100 metres of the same complex, where the capacity exceeds 750 places for sows in a breeding unit, 285 places for sows in an integrated unit and 2,000 places for production pigs,

at Woodville, Ballymackey, County Tipperary (breeding unit), Ballyknockane, Ballymackey, County Tipperary (production pig unit) and subject to the following twelve Conditions, with the reasons therefor and associated schedules attached thereto.

Part II Schedule of Activities Refused

None of the proposed activities as set out in the licence application have been refused.

Part III Conditions

Condition 1. Scope

- 1.1 IPPC activities at this installation shall be restricted to those listed and described in *Part I Schedule of Activities Licensed*, and shall be as set out in the licence application or as modified under Condition 1.4 of this licence and subject to the conditions of this licence.
- 1.2 Activities at this installation shall be limited as set out in *Schedule A: Limitations*, of this licence.
- 1.3 For the purposes of this licence, the installation authorised by this licence are the areas of land outlined in red on the drawings in Appendix B to the first party objection received on 17th October 2011. Any reference in this licence to "installation" shall mean the areas thus outlined in red. The licensed activities shall be carried on only within the areas outlined.
- 1.4 No alteration to, or reconstruction in respect of, the activity, or any part thereof, that would, or is likely to, result in
- (i) a material change or increase in:
 - the nature or quantity of any emission;
 - the abatement/treatment or recovery systems;
 - the range of processes to be carried out;
 - the fuels, raw materials, intermediates, products or wastes generated, or
 - (ii) any changes in:
 - site management, infrastructure or control with adverse environmental significance;
- shall be carried out or commenced without prior notice to, and without the agreement of, the Agency.
- 1.5 The installation shall be controlled, operated and maintained, and emissions shall take place as set out in the licence. All programmes required to be carried out under the terms of this licence become part of this licence.
- 1.6 This licence is for the purpose of IPPC licensing under the EPA Acts 1992 to 2011 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.7 This licence has been granted in substitution for the licence granted to the licensee on 29 March 2000 (Register No P0467-01). The previous IPPC licence (Reg No. P0467-01) is superseded by this revised licence.

Reason: *To clarify the scope of this licence.*

Condition 2. Management of the Installation

2.1 Installation Management

The licensee shall ensure that a person in charge, as defined under the terms of the *Environmental Protection Agency Acts 1992 to 2011* shall be available on-site to meet with authorised persons of the Agency at all reasonable times.

2.2 Documentation

2.2.1 The licensee shall establish and maintain an environmental management documentation system which shall be to the satisfaction of the Agency.

- 2.2.2 The licensee shall issue a copy of this licence to all relevant personnel whose duties relate to any condition of this licence.
- 2.3 Corrective Action
- The licensee shall establish procedures to ensure that corrective action is taken should the specified requirements of this licence not be fulfilled. The responsibility and authority for initiating further investigation and corrective action in the event of a reported non-conformity with this licence shall be defined.
- 2.4 Awareness and Training
- 2.4.1 The licensee shall establish and maintain procedures for identifying training needs, and for providing appropriate training, for all personnel whose work can have a significant effect on the environment. Appropriate records of training shall be maintained.
- 2.4.2 Personnel/contractors performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and/or experience, as required.
- 2.5 Communications Programme
- 2.5.1 The licensee shall maintain a Communications Programme to ensure that members of the public can obtain information at the installation, or as otherwise agreed by the Agency, at all reasonable times, concerning the environmental performance of the installation.

Reason: *To make provision for management of the activity on a planned basis having regard to the desirability of ongoing assessment, recording and reporting of matters affecting the environment.*

Condition 3. Infrastructure and Operation

- 3.1 The licensee shall establish and maintain, for each component of the installation, all infrastructure referred to in this licence in advance of the commencement of the licensed activities in that component, or as required by the conditions of this licence. Infrastructure specified in the application that relates to the environmental performance of the installation and is not specified in the licence, shall be installed in accordance with the schedule submitted in the application.
- 3.2 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 3.3 The licensee shall clearly label and provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency. The requirement with regard to off-site points is subject to the prior agreement of the landowner(s) concerned.
- 3.4 Tank, Container and Drum Storage Areas
- 3.4.1 All tank, container and drum storage areas shall be rendered impervious to the materials stored therein. Bunds shall be designed having regard to Agency guidelines 'Storage and Transfer of Materials for Scheduled Activities' (2004).
- 3.4.2 All tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:
- (i) 110% of the capacity of the largest tank or drum within the bunded area; or
 - (ii) 25% of the total volume of substance that could be stored within the bunded area.

- 3.4.3 All drainage from bunded areas shall be treated as hazardous waste unless it can be demonstrated to be otherwise. All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.4.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.4.5 All tanks, containers and drums shall be labelled to clearly indicate their contents.
- 3.5 The licensee shall have in storage an adequate supply of suitable absorbent material to contain and absorb any spillage at the installation. Once used, the absorbent material shall be disposed of at an appropriate facility.
- 3.6 All wellheads shall be adequately protected to prevent contamination or physical damage within six months from the date of grant of this licence.
- 3.7 The licensee shall install and maintain a water meter on all water supplies serving the installation within six months from the date of grant of this licence. Records of water usage shall be maintained on site and a summary records report shall be submitted annually as part of the AER.
- 3.8 The licensee shall provide and maintain a Wastewater Treatment plant at the installation for the treatment of sanitary effluent arising on-site. Any waste water treatment system and percolation area shall satisfy the criteria set out in the *Code of Practice Wastewater Treatment and Disposal Systems Serving Single Houses (p.e ≤ 10)*, published by the Environmental Protection Agency.
- 3.9 Slurry/Manure and Soiled Water Storage Facilities
 - 3.9.1 The licensee shall provide a minimum of 26 weeks storage for slurry/manure and soiled water on-site or at an agreed storage location.
 - 3.9.2 The licensee shall divert all soiled water to the on-site slurry/manure storage facilities or other such facilities as agreed by the Agency.

Reason: *To provide for appropriate operation of the installation to ensure protection of the environment.*

Condition 4. Interpretation

- 4.1 Noise

Noise from the installation shall not give rise to sound pressure levels (Leq, T) measured at noise sensitive locations of the installation which exceed the limit value(s) specified in *Schedule B.4 Noise Emissions*, of this licence.

Reason: *To clarify the interpretation of limit values fixed under the licence.*

Condition 5. Emissions

- 5.1 No specified emission from the installation shall exceed the emission limit values set out in *Schedule B: Emission Limits*, of this licence. There shall be no other emissions of environmental significance.
- 5.2 No emissions, including odours, from the activities carried on at the site shall result in an impairment of, or an interference with amenities or the environment beyond the installation boundary or any other legitimate uses of the environment beyond the installation boundary.
- 5.3 No polluting matter shall be discharged to the surface water drainage system.

5.4 The licensee shall ensure that all or any of the following: vermin, flies, mud, dust, and /or odours associated with the activity do not result in an impairment of, or an interference with, amenities or the environment at the installation or beyond the installation boundary or any other legitimate uses of the environment beyond the installation boundary. Any method used by the licensee to control or prevent any such impairment/interference shall not cause environmental pollution.

5.5 Odour Control

The licensee shall, within one year of the date of grant of licence, submit an odour management programme for agreement with the Agency outlining odour reduction measures appropriate for the site. The odour management programme shall as a minimum address the following: the use of low-protein feeds; covering of open slurry storage tanks; renovation of existing buildings to incorporate low emission housing design, and investigate the use and efficacy of biological slurry additives. The licensee shall implement this odour management programme with the agreement of the Agency, within a specified timeframe. The odour management programme shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the AER. A report on the programme, including the success in meeting odour reduction on site, shall be prepared and submitted to the Agency as part of the AER.

Reason: *To provide for the protection of the environment by way of control and limitation of emissions.*

Condition 6. Control and Monitoring

6.1 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and as in accordance with *Schedule C: Control & Monitoring*, of this licence.

6.1.1 Analyses shall be undertaken by competent staff in accordance with documented operating procedures.

6.1.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics shall be determined.

6.1.3 Such procedures shall be subject to a programme of Analytical Quality Control using control standards with evaluation of test responses.

6.1.4 Where any analysis is sub-contracted it shall be to a competent laboratory.

6.2 The licensee shall ensure that:

(i) sampling and analysis for all parameters listed in the Schedules to this licence; and

(ii) any reference measurements for the calibration of automated measurement systems;

shall be carried out in accordance with CEN-standards. If CEN standards are not available, ISO, national or international standards that will ensure the provision of data of an equivalent scientific quality shall apply.

6.3 The licensee shall ensure that groundwater monitoring well sampling equipment is available/installed on-site and is fit for purpose at all times. The sampling equipment shall be to Agency specifications.

6.4 All treatment/abatement and emission control equipment shall be calibrated and maintained in accordance with the instructions issued by the manufacturer/supplier or installer.

6.5 The frequency, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended with the agreement of the Agency following evaluation of test results.

- 6.6 The licensee shall complete an assessment of underground and overground effluent storage tanks, including integrity and water tightness testing, pipelines and liquid feed storage tanks within twelve months of date of grant of this licence, and at least once every five years thereafter. In the case of new storage facilities installed on site, the assessment shall be undertaken in advance of utilisation. A report on such assessment shall be included in the AER, together with proposals for repair of any significant defects found.
- 6.7 Geomembrane-lined Slurry Storage Basins
- 6.7.1 The licensee shall undertake a visual inspection of the leak detection inspection chambers on a weekly basis. The licensee shall maintain a record of these inspections on-site for inspection by authorised personnel of the Agency at all reasonable times.
- 6.7.2 The licensee shall undertake analysis of any discharge from the leak detection inspection chambers on a biannual basis as specified in *Schedule C.2.4 Monitoring of Any Discharge from the Manure Storage Basin Leak Detection Inspection Chamber*, of this licence.
- 6.7.3 The licensee shall ensure that adequate infrastructure is in place to contain slurry/manure in the event of a spillage or overflow from the basins.
- 6.8 The licensee shall ensure that all slurry/manure generated on-site is stored in a manner which does not pollute ground or surface waters.
- 6.9 Storm Water
- 6.9.1 A visual examination of the storm water discharge shall be carried out weekly. A log of such inspections shall be maintained.
- 6.9.2 The drainage system (i.e., gullies, manholes, any visible conduits and such other aspects as may be agreed) and bunds shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. The drainage system and bunds shall be properly maintained at all times.
- 6.9.3 The licensee shall provide and subsequently maintain a rainwater collection and drainage system for all pig housing on-site.
- 6.9.4 The licensee shall divert all uncontaminated surface water run-off from roofs and non-contaminated impervious areas of the site, to the surface water drainage system. Following reconstruction/construction at the installation this drainage system shall discharge through four outfalls as identified in *Schedule C.2.3 Monitoring of Storm Water Emissions*, of this licence. The licensee shall provide and maintain an inspection chamber(s) at the outlet(s) of the surface water drainage system.
- 6.9.5 There shall be no unauthorised discharge of polluting matter to water.
- 6.9.6 The licensee shall monitor storm water discharges in accordance with *Schedule C.2.3 Monitoring of Storm Water Emissions* of this licence. The results of monitoring shall be reported annually as part of the AER.
- 6.10 The licensee shall ensure that a freeboard of at least 200 mm from the top of each covered slurry/manure storage tank and 300 mm from the top of uncovered slurry/manure storage tanks is maintained, as a minimum, at all times. The required freeboard shall be clearly indicated in the tank.
- 6.11 The licensee shall calculate and record the quantity of organic fertiliser stored on-site on the 1st January annually. The licensee shall maintain the record on-site and the record shall be available for inspection by authorised persons, including Agency personnel.
- 6.12 Underground, partly underground or overground concrete storage facilities shall conform to the Department of Agriculture, Fisheries and Food specifications (i.e. S108, S123) or equivalent standard. Monitoring of any discharge from the Leak Detection Chambers shall be undertaken in accordance with *Schedule C.2.5 Monitoring of Any Discharge from the Tank Leak Detection Inspection Chambers*, of this licence.

- 6.13 Where overground storage facilities are utilised, the licensee shall, with the agreement of the Agency –
- (i) provide tanks with two lockable valves in line;
 - (ii) provide an appropriate reception pit with level alarm;
 - (iii) provide an external safety ladder and railed platform to facilitate inspection;
 - (iv) undertake measures as necessary for the protection of tanks from damage by vehicles or trailers, and
 - (v) provide a partial earthen bund to ensure sufficient protection of the clean water outfall in the event of tank overflow, collapse or leakage.
- 6.14 Monitoring of available storage capacity for slurry/manure shall be undertaken as outlined in *Schedule C.4 Waste and Slurry/Manure Monitoring* of this licence. Results shall be retained on-site and records of the results shall be available for inspection by authorised personnel, including Agency personnel, at all reasonable times. The results shall be submitted to the Agency in a summary report included as part of the AER.
- 6.15 Groundwater
- The licensee shall carry out groundwater monitoring in accordance with *Schedule C.6 Ambient Monitoring*, of this licence. The results of such monitoring shall be reported annually as part of the AER.
- 6.16 Noise
- 6.16.1 The licensee shall carry out a noise survey of the site operations as required by the Agency. The survey programme shall be undertaken in accordance with the methodology specified in the 'Environmental Noise Survey Guidance Document' published by the Agency.
- 6.16.2 The licensee shall put in place such measures as are necessary to ensure compliance with the noise limits values specified in this licence.
- 6.17 Pollutant Release and Transfer Register (PRTR)
- The licensee shall prepare and report a PRTR for the site. The substance and/or wastes to be included in the PRTR shall be as agreed by the Agency each year by reference to EC Regulations No. 166/2006 concerning the establishment of the European Pollutant Release and Transfer Register. The PRTR shall be prepared in accordance with any relevant guidelines issued by the Agency and shall be submitted electronically in specified format and as part of the AER.

Reason: *To provide for the protection of the environment by way of treatment and monitoring of emissions.*

Condition 7. Resource Use and Energy Efficiency

- 7.1 The licensee shall carry out an audit of the energy efficiency of the site within one year of the date of grant of this licence. The audit shall be carried out in accordance with the guidance published by the Agency, "Guidance Note on Energy Efficiency Auditing". The energy efficiency audit shall be repeated at intervals as required by the Agency.
- 7.2 The audit shall identify all practicable opportunities for energy use reduction and efficiency and the recommendations of the audit will be incorporated into a Resource Use and Energy Programme.
- 7.3 The licensee shall identify opportunities for reduction in the quantity of water used on site including recycling and reuse initiatives, wherever possible. Reductions in water usage shall be incorporated into a Resource Use and Energy Programme.

- 7.4 The licensee shall undertake an assessment of the efficiency of use of raw materials in all processes, having particular regard to the reduction in waste generated. The assessment should take account of best international practice for this type of activity. Where improvements are identified, these shall be incorporated into a Resource Use and Energy Programme.

Reason: *To provide for the efficient use of resources and energy in all site operations.*

Condition 8. Materials Handling

- 8.1 Waste sent off-site for recovery or disposal shall be transported only by an authorised waste contractor or an exempted person (Waste Management (Collection Permit) Regulations, 2007-2008). The waste shall be transported from the site of the activity to the site of recovery/disposal only in a manner which will not adversely affect the environment. Such transportation shall be in accordance with the appropriate National and European legislation and protocols.
- 8.1.1 Animal tissue or carcasses sent off site for disposal/recovery shall be transported in covered, leak-proof containers.
- 8.2 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off
- 8.3 Waste shall be stored in designated areas, protected as may be appropriate against spillage and leachate run-off. The waste shall be clearly labelled and appropriately segregated.
- 8.4 Slurry/manure for recovery off-site shall be analysed in accordance with *Schedule C: Control & Monitoring* of this licence.
- 8.5 No waste classified as green list waste in accordance with the EU Shipment of Waste Regulations (Council Regulation EEC No. 1013/2006, as may be amended) shall be consigned for recovery without the agreement of the Agency.
- 8.6 Animal tissue or carcasses stored on-site pending disposal shall be placed in covered, leak-proof containers and shall at a minimum be removed fortnightly.
- 8.7 The licensee shall neither import waste into the State nor export waste out of the State except in accordance with the relevant provisions of Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14th June 2006 on shipments of waste and associated national regulations.

Reason: *To provide for the appropriate handling of material and the protection of the environment.*

Condition 9. Accident Prevention and Emergency Response

- 9.1 The licensee shall, within six months of date of grant of this licence, ensure that a documented Accident Prevention Procedure is in place that addresses the hazards on-site, particularly in relation to the prevention of accidents with a possible impact on the environment. This procedure shall be reviewed annually and updated as necessary.
- 9.2 The licensee shall, maintain a documented Emergency Response Procedure is in place, that addresses any emergency situation which may originate on-site. This procedure shall include provision for minimising the effects of any emergency on the environment. This procedure shall be reviewed annually and updated as necessary.
- 9.3 Incidents
- 9.3.1 In the event of an incident the licensee shall immediately:

- (i) carry out an investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
 - (ii) isolate the source of any such emission;
 - (iii) evaluate the environmental pollution, if any, caused by the incident;
 - (iv) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
 - (v) identify the date, time and place of the incident; and
 - (vi) notify the Agency and other relevant authorities.
- 9.3.2 The licensee shall provide a proposal to the Agency for its agreement within one month of the incident occurring or as otherwise agreed by the Agency, to:
- (i) identify and put in place measures to avoid recurrence of the incident; and
 - (ii) identify and put in place any other appropriate remedial actions.

Reason: *To provide for the protection of the environment.*

Condition 10. Decommissioning & Residuals Management

- 10.1 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the site in the licensed activity, the licensee shall, to the satisfaction of the Agency, decommission, render safe or remove for disposal/recovery any soil, subsoil, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution.

Reason: *To make provision for the proper closure of the activity ensuring protection of the environment.*

Condition 11. Notification, Records and Reports

- 11.1 The licence shall notify the Agency by both telephone and facsimile, if available, to the Agency's headquarters in Wexford, or to such other Agency office as may be specified by the Agency, as soon as practicable after the occurrence of any of the following:
- (i) any release of environmental significance to atmosphere from any potential emissions point including bypasses;
 - (ii) any emission that does not comply with the requirements of this licence;
 - (iii) any malfunction or breakdown of key control equipment or monitoring equipment set out in *Schedule C: Control and Monitoring*, of this licence which is likely to lead to loss of control of the abatement system; and
 - (iv) any incident with the potential for environmental contamination of surface water or groundwater, or posing an environment threat to air or land, or requiring an emergency response by the Local Authority.

The licensee shall include as part of the notification, date and time of the incident, summary details of the occurrence, and where available, the steps taken to minimise any emissions.

- 11.2 In the case of any incident relating to discharges to water, the licensee shall notify the Local and Water Services Authority and the Inland Fisheries Ireland as soon as practicable after such an incident.
- 11.3 The licensee shall make a record of any incident. This record shall include details of the nature, extent, and impact of, and circumstances giving rise to, the incident. The record shall include all corrective actions taken to manage the incident, minimise wastes generated and the effect on the environment, and avoid recurrence. The licensee shall, as soon as practicable following incident notification, submit to the Agency the incident record.

- 11.4 The licensee shall record all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the date and time of the complaint, the name of the complainant (if provided), and give details of the nature of the complaint. A record shall also be kept of the response made in the case of each complaint.
- 11.5 The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and all other such monitoring which relates to the environmental performance of the installation.
- 11.6 The licensee shall as a minimum keep the following documents at the site:
- (i) the licences relating to the installation;
 - (ii) the previous year's AER for the installation;
 - (iii) records of all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and all other such monitoring which relates to the environmental performance of the installation;
 - (iv) relevant correspondence with the Agency;
 - (v) up-to-date site drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and emission points;
 - (vi) up-to-date Standard Operational Procedures for all processes, plant and equipment necessary to give effect to this licence or otherwise to ensure that standard operation of such processes, plant or equipment does not result in unauthorised emissions to the environment;
 - (vii) any elements of the licence application or EIS documentation referenced in this licence.
- This documentation shall be available to the Agency for inspection at all reasonable times.
- 11.7 The licensee shall submit to the Agency, by the 31st March of each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Agency, shall include as a minimum the information specified in *Schedule D: Annual Environmental Report*, of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 11.8 A full record, which shall be open to inspection by authorised persons of the Agency at all times, shall be kept by the licensee on matters relating to the waste management operations and practices at this site. This record shall be maintained on a monthly basis and shall as a minimum contain details of the following:
- (i) the tonnages and EWC Code for the waste;
 - (ii) the names of the agent and carrier of the waste, and their waste collection permit details, if required (to include issuing authority and vehicle registration number);
 - (iii) details of the ultimate disposal/recovery destination facility for the waste and its appropriateness to accept the consigned waste stream, to include its permit/licence details and issuing authority, if required;
 - (iv) written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site;
 - (v) details of all waste consigned abroad for Recovery and classified as 'Green' in accordance with the EU Shipment of Waste Regulations (Council Regulation EEC No. 1013/2006, as may be amended). The rationale for the classification must form part of the record;
 - (vi) details of any rejected consignments;
 - (vii) details of any approved waste mixing; and
 - (viii) the results of any waste analyses required under *Schedule C: Control & Monitoring*, of this licence.
- 11.9 Organic Fertiliser Movements
- 11.9.1 The licensee shall record all organic fertiliser movements off-site in an 'organic fertiliser register' which shall be available for inspection on-site by authorised persons.

- 11.9.2 The licensee shall maintain an 'organic fertiliser register' to the satisfaction of the Agency, showing, as a minimum the name, herd number of the customer farmer receiving organic fertiliser, quantity of organic fertiliser, date of movement off site, and details in accordance with Article 23 of the European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2010 (S.I. No. 610 of 2010) and as otherwise specified by the Agency or Department of Agriculture, Food and the Marine.
- 11.9.3 The licensee shall, on or before the 31st December annually, submit to the Department of Agriculture, Food and the Marine the completed records of movement of organic fertiliser from the installation (referred to as 'Record 3' by the Department of Agriculture, Food and the Marine). The record shall be in accordance with Article 23 of S.I. the European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2010 (S.I. No. 610 of 2010) and as otherwise specified by the Agency or Department of Agriculture, Food and the Marine. A copy of the record submitted shall be maintained on site for inspection.
- 11.9.4 The licensee shall calculate and record by the 31st of January annually:
- (i) the quantity of organic fertiliser generated by the animals housed on-site in the previous calendar year;
 - (ii) the total quantity of organic fertiliser moved off site and recorded in the organic fertiliser register and 'Record 3' as submitted to the Department of Agriculture, Food and the Marine in the previous calendar year; and
 - (iii) the opening quantity of organic fertiliser (1st January of the previous year); and closing quantity of organic fertiliser (1st January of the current year).
- These details shall be submitted to the Agency as part of the AER.
- 11.10 The licensee shall submit report(s) as required by the conditions of this licence to the Agency's Headquarters in Wexford, or to such other Agency office as may be specified by the Agency.
- 11.11 All reports shall be certified accurate and representative by the installation manager or a nominated, suitably qualified and experienced deputy.

Reason: *To provide for the collection and reporting of adequate information on the activity.*

Condition 12. Financial Charges and Provisions

12.1 Agency Charges

- 12.1.1 The licensee shall pay to the Agency an annual contribution of €3,976, or such sum as the Agency from time to time determines, having regard to variations in the extent of reporting, auditing, inspection, sampling and analysis or other functions carried out by the Agency, towards the cost of monitoring the activity as the Agency considers necessary for the performance of its functions under the Environmental Protection Agency Acts 1992 to 2011. The first payment shall be a pro-rata amount for the period from the date of grant of this licence to the 31st day of December, and shall be paid to the Agency within one month from the date of grant of the licence. In subsequent years the licensee shall pay to the Agency such revised annual contribution as the Agency shall from time to time consider necessary to enable performance by the Agency of its relevant functions under the Environmental Protection Agency Acts 1992 to 2011 and all such payments shall be made within one month of the date upon which demanded by the Agency.
- 12.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased, the licensee shall contribute such sums as determined by the Agency to defray its costs in regard to items not covered by the said annual contribution.

12.2 Environmental Liabilities

12.2.1 The licensee shall as part of the AER, provide an annual statement as to the measures taken or adopted at the site in relation to the prevention of environmental damage, and the financial provisions in place in relation to the underwriting of costs for remedial actions following anticipated events (including closure) or accidents/incidents, as may be associated with the carrying on of the activity.

Reason: To provide for adequate financing for monitoring and financial provisions for measures to protect the environment.

SCHEDULE A: Limitations

A.1 Animal Numbers Housed at the installation

Animal Class	Numbers from date of grant of licence <small>Note 1,2</small>
Farrows/Suckling Sows	220
Dry Sows	700
Gilts	109
Boars	12
Weaners	3850
Production Pigs	8000

Note 1: This excludes suckling pigs maintained on site.

Note 2: A 20% increase in the number of production pigs held on site, for a period not exceeding 2 weeks, is permissible. The frequency of such occurrences must be kept to a minimum. Any other variation in any of the animals numbers specified requires prior agreement from the Agency.



SCHEDULE B: Emission Limits

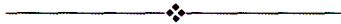
B.1 Emissions to Air

There shall be no emissions to air of environmental significance.



B.2 Emissions to Water

There shall be no emissions to water of environmental significance.



B.3 Emissions to Sewer

There shall be no process effluent emissions to sewer.



B.4 Noise Emissions

Daytime dB(A) L_{Aeq} (30 minutes)	Night-time dB(A) L_{Aeq} (30 minutes)
55 <small>Note 1</small>	45 <small>Note 1</small>

Note 1: There shall be no clearly audible tonal component or impulsive component in the noise emission from the activity of any noise-sensitive location.



SCHEDULE C: Control & Monitoring

C.1.1. Control of Emissions to Air

There shall be no emissions to air of environmental significance.



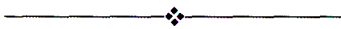
C.1.2. Monitoring of Emissions to Air

There shall be no emissions to air of environmental significance.



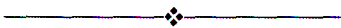
C.2.1. Control of Emissions to Water

There shall be no emissions to water of environmental significance.



C.2.2. Monitoring of Emissions to Water

There shall be no emissions to water of environmental significance.



C.2.3. Monitoring of Storm Water Emissions

Emission Point Reference No ^{Note 1}:

- Breeding unit:
SW2 as identified on Drawing No. 001 entitled "Rev site plan Stormwater routes"
- Production pig unit:
SW1 as identified on Drawing No. 003 entitled "Ballyknockane Pig Farm Site Plan - Stormwater layout"

Parameter	Monitoring Frequency	Analysis Method/Technique
COD or BOD	Quarterly	Standard method
Visual Inspection	Weekly	Sample and examine for colour and odour.

Note 1: The licensee shall provide monitoring points within the site boundary for all surface water discharges.



C.2.4 Monitoring of Any Discharge from the Manure Storage Basins Leak Detection Inspection Chambers

Emission Point Reference No: Production pig Unit:
LD D as identified on Drawing No 004A, entitled “Ballyknockane Pig Farm Site Plan – Integrity Pipework layout”.

Parameter	Monitoring Frequency ^{Note 1}	Analysis Method/Technique
COD or BOD	Biannually	Standard method
Nitrate (as N)	Biannually	Standard method
Total Coliforms	Biannually	Standard method
Visual Inspection	Weekly	Sample and examine for colour and odour.

Note 1: Monitoring to commence within three months of completion of construction.

C.2.5 Monitoring of Any Discharge from the Tank Leak Detection Inspection Chambers

Emission Point Reference No: Production pig Unit: LD A, LD B and LD C, as identified on Drawing No 004A, entitled “Ballyknockane Pig Farm Site Plan – Integrity Pipework layout” (received 20 July 2010).

Parameter	Monitoring Frequency ^{Note 1}	Analysis Method/Technique
COD or BOD	Biannually	Standard method
Visual Inspection	Weekly	Sample and examine for colour and odour.

Note 1: Monitoring to commence within three months of completion of construction.

C.3.1. Control of Emissions to Sewer

There shall be no process effluent emissions to sewer.

C.3.2. Monitoring of Emissions to Sewer

There shall be no process effluent emissions to Sewer.

C.4 Waste and Slurry/Manure Monitoring

Waste Monitoring Reference(s):

As labelled on Drawing No. 003 entitled “Ballyknockane Pig Farm Site Plan – Stormwater layout” (production pig unit) and Drawing No. 001 entitled “Rev site plan Stormwater routes” (breeding unit) (received on 20 July 2010), of the application.

Class	Frequency	Parameter	Monitoring Reference
Slurry/Manure	Weekly and 1 st January annually	Available storage capacity	Production Pig Unit: Fattening Houses A, B, C, 6 & 7 Breeding Unit: Farrowing House No. 2, Dry Sow Houses No. 4 and 10a, First Weaner House No.7, Second Stage Weaner Houses No. 14 and 15.
Slurry/Manure Other ^{Note 2}	Annually	Nutrients (N, P & K) ^{Note 1}	Untreated slurry

Note 1: Nutrient concentrations in the *Nitrates Regulations* (S.I. No. 610 of 2010) may be complied with as an alternative.

Note 2: Analytical requirements to be determined on a case by case basis.

❖
C.5 Noise Monitoring

No additional noise monitoring is required in this schedule.

❖
C.6 Ambient Monitoring

C.6.1 Groundwater Monitoring

Location : AGW1 (Breeding unit), AGW2 (Breeding unit) and AGW3 (Breeding unit)
AGW1 (Production Pig unit) and AGW2 (Production Pig unit)

Parameter	Monitoring Frequency	Analysis Method/Techniques
COD	Biannually	Standard Method
Nitrate	Biannually	Standard Method
Total Ammonia	Biannually	Standard Method
Faecal Coliforms	Biannually	Standard Method
Total Coliforms	Biannually	Standard Method

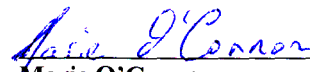
SCHEDULE D: Annual Environmental Report**Annual Environmental Report Content** Note 1

Emissions from the installation.
Waste management record.
Nutrient management plan.
Quantity of organic fertiliser generated during the AER reporting year.
Quantity of organic fertiliser moved off-site and recorded during the AER reporting year.
Opening and closing quantity of organic fertiliser at the installation.
Summary of waste and slurry/manure monitoring results.
Summary of storm water emissions monitoring results.
Resource consumption summary.
Complaints summary.
Development/Infrastructural works summary (completed in previous year or prepared for current year).
Ambient monitoring summary.
Noise monitoring report summary.
Tank and pipeline testing and inspection report.
Bund integrity test.
Feed composition and usage.
Pollutant Release and Transfer Register – report for previous year.
Pollutant Release and transfer Register – proposal for current year.
Reported incidents summary.
Energy efficiency audit report summary.
Report on the assessment of the efficiency of use of raw materials in processes and the reduction in waste generated.
Report on progress made and proposals being developed to minimise water demand.
Resource use and energy programme.
Odour management programme and report.
Statement of measures in relation to prevention of environmental damage and remedial actions (Environmental Liabilities).
Any other items specified by the Agency.

Note 1: Content may be revised subject to the agreement of the Agency.

Sealed by the seal of the Agency on this the 27th day of July 2012.

PRESENT when the seal of the Agency
Was affixed hereto:


Marie O'Connor

Authorised Person