



Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

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

INDUSTRIAL EMISSIONS LICENCE

Licence Register Number:	P0975-01
Company Register Number	557628
Licensee:	Clondrisse Pig Farm Limited
Location of Installation:	Joristown Upper Killucan County Westmeath

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ENVIRONMENTAL PROTECTION AGENCY ACT 1992 AS AMENDED

INDUSTRIAL EMISSIONS LICENCE

Decision of Agency, under Section 83(1) of the Environmental Protection Agency Act 1992 as amended.

Reference number in Register of licences: P0975-01

Further to notice dated 24th June 2016, the Agency in exercise of the powers conferred on it by the Environmental Protection Agency Act 1992 as amended, for the reasons hereinafter set out, hereby grants an Industrial Emissions licence to

Clondrisse Pig Farm Limited, Gillardstown House, Castlepollard, County Westmeath, CRO No. 557628,

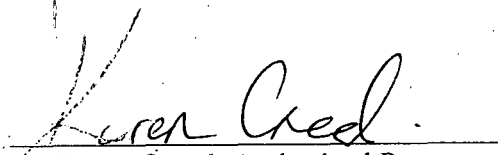
to carry on the following activity

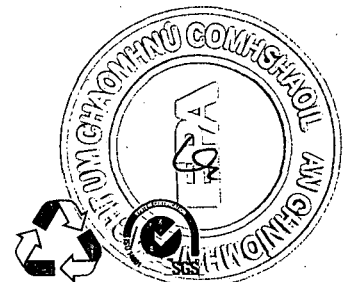
- : The rearing of pigs in an installation where the capacity exceeds –
(b) 2,000 places for production pigs which are each over 30kg,

at Joristown Upper, Killucan, County Westmeath, subject to the conditions as set out.

GIVEN under the Seal of the Agency this 22nd day of February 2017.

PRESENT when the seal of the Agency was affixed hereto:


Dr Karen Creed, Authorised Person



INTRODUCTION

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

Clondrisse Pig Farm Limited, Gillardstown House, Castlepollard, County Westmeath (CRO Number 557628) operates an integrated pig rearing installation located at Joristown Upper, Killucan, County Westmeath.

The activity has a capacity to house 625 sows (including 125 served gilts) and 3,318 production pigs.

The activity is above the IE licensing threshold of 2,000 places for production pigs (over 30kg) specified under Annex 1 of the Industrial Emissions Directive and the First Schedule of the EPA Act 1992 as amended. This licence limits the number of places for sows to 625 sows (including 125 served gilts) and the number of production pigs housed at the installation to 0.

For the purposes of the Industrial Emission Directive (2010/75/EC), the activity carried out by Clondrisse Pig Farm Limited is included in Category 6.6(b) of Annex 1 of the Directive.

The licence sets out in detail the conditions under which Clondrisse Pig Farm Limited 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 Act 1992 as amended/Waste Management Act 1996 as amended, unless otherwise defined in the section.

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.
BAT conclusions	A document containing the parts of a BAT reference document laying down the conclusions on best available techniques, their description, information to assess their applicability, the emission levels associated with the best available techniques, associated monitoring, associated consumption levels and, where appropriate, relevant site remediation measures.
BAT reference document	A document drawn up by the Commission of the European Union in accordance with Article 13 of the Industrial Emissions Directive, resulting from the exchange of information in accordance with that Article of that Directive and describing, in particular, applied techniques, present emissions and consumption levels, techniques considered for the determination of best available techniques as well as BAT conclusions and any emerging techniques.
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.

CRO No.	Company Register Number.
Customer Farmers	Farmers who may use/recover organic fertiliser generated at the installation as fertiliser on their lands.
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	07:00 hrs to 19:00 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.
Emission limits	Those limits, including concentration limits and deposition rates, established in <i>Schedule B: Emission Limits</i> , of this licence.
EMP	Environment Management Programme.
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, as amended by Commission Decision 2014/955/EU and any subsequent amendment published in the Official Journal of the European Community.
Evening Time	19:00 hrs to 23:00 hrs.
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).
Groundwater	Has the meaning assigned to it by Regulation 3 of the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010).
Hazardous Substances	Substances or mixtures as defined in Article 3 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.
ha	Hectare.
Hours of operation	The hours during which the installation is authorised to be operational.
IE	Industrial Emissions.
IFI	Inland Fisheries Ireland.
Incident	The following shall constitute as incident for the purposes of this licence: <ul style="list-style-type: none"> (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.
Industrial Emissions Directive	Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control) (Recast).
Irish Water	Irish Water, Colvill House, 24/26 Talbot Street, Dublin 1.
Installation	A stationary technical unit or plant where the activity concerned referred to in the First Schedule of EPA Act 1992 as amended, 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 IE Licence.

L_{Aeq,T}	This is the equivalent continuous sound level. It is a type of average and is used to describe a fluctuating noise in terms of a single noise level over the sample period (T).
L_{Ar,T}	The Rated Noise Level, equal to the L _{Aeq} during a specified time interval (T), plus specified adjustments for tonal character and/or impulsiveness of the sound.
Licensee	Clondrisse Pig Farm Limited, Joristown Upper, Killucan, County Westmeath, CRO No. 557628.
Local Authority	Westmeath 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.
Manure	Animal faeces, urine, washwater and any associated feed or bedding.
Monthly	A minimum of 12 times per year, at intervals of approximately one month.
Night-time	23:00 hrs to 07:00 hrs.
Noise-sensitive location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other premises 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 premises 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	IE 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.
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.
Relevant Hazardous Substances	Those substances or mixtures defined within Article 3 of Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) which, as a result of their hazardousness, mobility, persistence and biodegradability (as well as other characteristics), are capable of contaminating soil or groundwater and are used, produced and/or released by the installation.
Sample(s)	Unless the context of this licence indicates to the contrary, the term samples shall include measurements taken by electronic instruments.
Soil	The top layer of the Earth's crust situated between the bedrock and the surface. The soil is composed of mineral particles, organic matter, water, air and living organisms.
SOP	Standard operating procedure.
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.
Washwater	Water contaminated by use in the washing of yards and animal housing.
Waste	Any substance or object which the holder discards or intends or is required to discard.
Water Services Authority	Westmeath County Council.
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.

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 Act 1992 as amended.

The Agency also considers that the activity will not adversely affect the integrity of any European Site, and has decided to impose conditions for the purposes of ensuring they do not do so. It has determined that the activity, if managed, operated and controlled in accordance with the licence, will not have any adverse effect on the integrity of any of those sites.

The Agency has accordingly decided to grant a licence to Clondrisse Pig Farm Limited to carry on the activity listed in *Part I, Schedule of Activities Licensed*, subject to the conditions set out in *Part II, Conditions*.

In reaching this decision the Agency has considered the documentation relating to: the application, Register Number: P0975-01 and the supporting documentation received from the applicant; the submissions received; the Inspector's Report dated 20th April 2016 and Addendum Reports dated 12th May 2016 and 26th May 2016; the proposed determination dated 24th June 2016; the objection received from the Applicant; the objections and any submission on the objections received from other parties; and the Technical Committee Report dated 26th January 2017 on the objections to the proposed determination and on the related submission on objections received, and the Technical Committee Addendum Report dated 8th February 2017, and has carried out an Environmental Impact Assessment (EIA) and an Appropriate Assessment of the likely significant effects of the activity on European Sites.

It is considered that the Inspector's Report and the Inspector's Addendum Reports, the Technical Committee Report and the Technical Committee's Addendum Report, contain a fair and reasonable examination, evaluation and analysis of the likely significant effects of the activity on the environment, and adequately and accurately identifies, describes and assesses those effects. The assessment as reported in those documents is adopted as the assessment of the Agency. Having regard to this assessment, it is considered that the activity, if managed, operated and controlled in accordance with the licence will not result in the contravention of any relevant environmental quality standards or cause environmental pollution.

A screening for Appropriate Assessment was undertaken to assess, in view of best scientific knowledge and the conservation objectives of the site, if the activity, individually or in combination with other plans or projects is likely to have a significant effect on any European Site. In this context, particular attention was paid to the European Site(s) at River Boyne and River Blackwater SAC (Site Code 002299), Mount Hevey Bog SAC (Site Code 002342), Scragh Bog SAC (Site Code 000692) and Lough Owel SAC (Site Code 000688).

The activity is not directly connected with or necessary to the management of any European Site and the Agency considered, for the reasons set out below, that it cannot be excluded, on the basis of objective information, that the activity, individually or in combination with other plans or projects, will have a significant effect on any European Site and accordingly determined that an Appropriate Assessment of the activity was required, and for this reason determined to require the applicant to submit a Natura Impact Statement. This determination is based on the nature and scale of the activity and the distance between the installation and the European Sites.

The Agency has completed the Appropriate Assessment of potential impacts on these sites and has made certain, based on best scientific knowledge in the field and in accordance with the European Communities (Birds and Natural Habitats) Regulations 2011 as amended, pursuant to Article 6(3) of the Habitats Directive, that the activity, individually or in combination with other plans or projects, will not adversely affect the integrity of any European Site, in particular River Boyne and River Blackwater SAC (Site Code 002299), Mount Hevey Bog SAC (Site Code 002342), Scragh Bog SAC (Site Code 000692) and Lough Owel SAC (Site Code 000688), having regard to their conservation objective's and will not affect the preservation of these sites at favourable conservation status if carried out in

accordance with this licence and the conditions attached hereto for the following reasons:

- The installation is not located within a European site.
- The nearest downstream river to the installation is the River Deel. The River Deel is a tributary of the River Boyne. The installation does not discharge process water to any surface water body. The installation discharges only clean surface water into the River Boyne Catchment via discharges to ground and a small pond. The River Deel forms part of the River Boyne and River Blackwater SAC (site code 002299), and the boundary of the SAC is approximately 1.2km east of the installation. Whilst this designated site is located close to the installation, it should be noted that there are no discharges from the installation, other than clean surface water.
- Air emissions have been modelled using a screen model (SCAIL Agriculture, <http://www.scail.ceh.ac.uk>), by the Agency using input data including details such as house design and type and position of ventilation. The model results indicated a contribution of ammonia and nitrogen deposition for River Boyne and River Blackwater SAC (002299) and Mount Hevey Bog SAC (002342). The RD requires a number of mitigation measures to reduce the likely impact of ammonia and nitrogen deposition on the designated sites. This includes reducing crude protein in diets for all pigs on site.
- The prevailing winds in Ireland are from the south west, therefore it can be considered that the atmospheric emissions from the installation will be mainly carried away from Mount Hevey Bog SAC (Site Code 002342), which is south of the installation.
- The remaining European sites listed in Appendix 1 of the Inspector's Report are all over 10km away from the installation, and don't appear to have any direct or indirect surface water linkages to the installation. Given the distance from the installation and the lack of direct pathways connecting the European sites to the installation, it is considered that these sites are not at risk of adverse impacts from the licensable activity.

The Agency is satisfied that no reasonable scientific doubt remains as to the absence of adverse effects on the integrity of those European Sites.

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Part I Schedule of Activities Licensed

In pursuance of the powers conferred on it by the Environmental Protection Agency Act 1992 as amended, the Agency hereby grants this Industrial Emissions licence to:

Clondrisse Pig Farm Limited, Gillardstown House, Castlepollard, County Westmeath, CRO No. 557628,

under Section 83(1) of the said Act to carry on the following activity:

- The rearing of pigs in an installation where the capacity exceeds - (b) 2,000 places for production pigs which are each over 30kg,

at Joristown Upper, Killucan, County Westmeath, subject to the following twelve Conditions, with the reasons therefor and associated schedules attached thereto.

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Part II Conditions

Condition 1. Scope

- 1.1 Industrial Emissions Directive 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 is the area of land outlined in red on Drawing entitled: "Attachment B.2.3 – Site Map for Clondrisse Pig Farm Limited" of the application. Any reference in this licence to "installation" shall mean the area thus outlined in red. The licensed activity shall be carried on only within the area 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 IE licensing under the EPA Act 1992 as amended only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.

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

Condition 2. Management of the Installation

2.1 Installation Management

- 2.1.1 The licensee shall ensure that a person in charge, as defined under the terms of the Environmental Protection Agency Act 1992 as amended 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, maintain and implement an environmental management documentation system.
- 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.
- 2.2.3 The licensee shall establish, maintain and implement a Resource Use and Energy Programme.
- 2.2.4 The licensee shall establish, maintain and implement a programme for maintenance of all plant and equipment based on the instructions issued by the manufacturer/supplier or installer of the equipment. Appropriate record keeping shall support this maintenance programme.

2.3 Corrective Action

- 2.3.1 The licensee shall establish, maintain and implement procedures to ensure that corrective and preventative action is taken should the specified requirements of this licence not be fulfilled. The responsibility and authority for persons initiating further investigation and corrective and preventative action in the event of a reported non-conformity with this licence shall be defined.
- 2.3.2 Where a breach of one or more of the conditions of this licence occurs, the licensee shall without delay take measures to restore compliance with the conditions of this licence in the shortest possible time.

2.4 Awareness, Training and Competence

- 2.4.1 The licensee shall establish, maintain and implement procedures for identifying training needs, and for providing appropriate training, for all personnel whose work can have a significant effect on the environment to ensure awareness and competence in their work area. 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 establish, maintain and implement a Public Awareness and 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.
- 2.5.2 The communications programme shall include a specific programme of outreach to interested local residents on matters relating to the prevention of nuisance and other factors at the installation. The programme shall be agreed by the Agency and a report on the programme shall be prepared and submitted to the Agency as part of the AER.

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 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.
- 3.3 Tank, Container and Drum Storage Areas
- 3.3.1 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).
- 3.3.2 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.
- 3.3.3 All drainage from bunded areas shall be treated as contaminated unless it can be demonstrated to be otherwise. All drainage from bunded areas shall be diverted for collection and safe disposal, unless it can be deemed uncontaminated.
- 3.3.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.3.5 All tanks, containers and drums shall be labelled to clearly indicate their contents.
- 3.4 The licensee shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the installation. Once used, the absorbent material shall be disposed of/recovered at an appropriate facility.
- 3.5 The licensee shall provide a minimum of 26 weeks storage of organic fertiliser on-site or at an agreed storage location.
- 3.6 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.
- 3.7 All wellheads, specified in *Schedule C.6 Ambient Monitoring*, of this licence shall be adequately protected to prevent contamination or physical damage within 6 months from the date of grant of this licence.
- 3.8 The licensee shall establish, maintain and implement a rodent and pest control programme.

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 ($L_{Aeq, T}$) measured at noise sensitive locations which exceed the limit value(s).

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

Condition 5. Emissions

5.1 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.

5.2 No polluting matter shall be discharged to the surface water drainage system.

5.3 There shall be no emissions to air of environmental significance.

5.4 There shall be no emissions to water of environmental significance.

5.5 There shall be no process effluent emissions to Sewer.

5.6 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.

5.7 Odour Control

The licensee shall, within six months of the date of grant of licence, submit an odour management programme for approval of the Agency outlining odour reduction and abatement measures, including timeframes for implementation, appropriate for the site. The odour management programme shall as a minimum address the following:

- (i) Use of housing system,
- (ii) Cover slurry or solid manure during storage,
- (iii) Minimise slurry stirring/agitation,
- (iv) Optimise discharge conditions from the animal houses.

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.

5.8 Ammonia Control

The licensee shall, within twelve months of the date of grant of licence, submit an ammonia management programme for agreement with the Agency outlining ammonia reduction measures, including timeframes for implementation, appropriate for the site. The ammonia management programme shall as a minimum address the following:

- (i) The use of low-protein feeds by implementing one or a combination of the following techniques;
 - Reduce crude protein content by using a balanced diet based on net energy and digestible amino acids;
 - Multiphase feeding with a diet formulation adapted to the specific requirements of the production period;

- Addition of controlled amounts of essential amino acids to a low crude protein diet; and
 - Use of authorised feed additives which reduce the total nitrogen excreted.
- (ii) The minimisation of ammonia emissions to air from organic fertiliser storage areas.

The ammonia 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 ammonia 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 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, within six months of date of grant of this licence, submit a programme for agreement with the Agency on the assessment of underground and over-ground effluent storage tanks, pipelines and liquid feed storage tanks to ensure that all storage tanks and pipelines are assessed 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 Bund Integrity

The integrity and water tightness of all bunding structures and containers and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee within 12 months of the date of grant of this licence. This testing shall be carried out at least once every three years thereafter and reported to the Agency on each occasion. This testing shall be carried out in accordance with any guidance published by the Agency. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee. A report on such tests shall be included in the AER.

- 6.8 The licensee shall ensure that all organic fertiliser 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 stormwater drainage system (i.e., gullies, manholes, any visible conduits and such other aspects as may be agreed) shall be visually inspected weekly and desludged as necessary. 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. The licensee shall maintain a drainage map on site. The drainage map shall be reviewed annually and updated as necessary.
- 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. The licensee shall provide and maintain inspection chambers at the outlets of the surface water drainage system, the locations of which shall be provided by the licensee within three months of the date of grant of licence.
- 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 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.
- 6.11 The licensee shall ensure that a freeboard of at least 200 mm from the top of each covered organic fertiliser storage tank and 300 mm from the top of uncovered organic fertiliser storage tanks is maintained, as a minimum, at all times. The required freeboard shall be clearly indicated in the tank.
- 6.12 Underground, partly underground or overground storage facilities shall conform to the Department of Agriculture, Food and the Marine specifications (S108, S123) or equivalent standard.
- 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 organic fertiliser shall be undertaken as outlined in *Schedule C.4 Organic Fertiliser Monitoring*, of this licence. Results shall be retained on-

site and records of the results shall be available for inspection by authorised persons, 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 Noise

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 'Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)' as published by the Agency.

6.16 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 determined 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 twelve months 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 opportunities for energy use reduction and efficiency and the recommendations of the audit shall 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, including feeds, 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 The licensee shall ensure that waste generated in the carrying on of the activity shall be prepared for re-use, recycling or recovery or, where that is not technically or economically possible, disposed of in a manner which will prevent or minimise any impact on the environment.

8.2 All waste that is not reused on site shall be sent off site to an authorised facility for disposal or recovery or reuse.

8.3 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.

- 8.3.1 Animal tissue or carcasses sent off site for disposal/recovery shall be transported in covered, leak-proof containers.
- 8.4 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off.
- 8.5 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.
- 8.6 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.
- 8.7 Waste for disposal/recovery off-site shall be analysed in accordance with *Schedule C: Control & Monitoring*, of this licence.
- 8.8 Unless approved in writing, in advance, by the Agency the licensee is prohibited from mixing a hazardous waste of one category with a hazardous waste of another category or with any other non-hazardous waste.
- 8.9 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.
- 8.10 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.
- 8.11 Organic Fertiliser Movements
- 8.11.1 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.
- 8.11.2 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 S.I. No. 31 of 2014 European Union (Good Agricultural Practice for Protection of Waters) Regulations 2014 and as otherwise specified by the Agency or Department of Agriculture, Food and the Marine.
- 8.11.3 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. No. 31 of 2014 European Union (Good Agricultural Practice for Protection of Waters) Regulations 2014 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.
- 8.11.4 The licensee shall calculate and record by the 31st of January annually:
- (a) The quantity of organic fertiliser generated by the animals housed on-site in the previous calendar year;
 - (b) 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;
 - (c) The opening quantity of organic fertiliser (1st January of the previous year) and closing quantity of organic fertiliser (1st January of the current year).

The details shall be submitted to the Agency as part of the AER.

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, within six months of date of grant of this licence, ensure that 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;
 - (vi) notify the Agency and other relevant authorities.
- 9.3.2 Where an incident or accident that significantly affects the environment occurs, the licensee shall without delay take measures to limit the environmental consequences of the incident or accident and to prevent further incident or accident.

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 licensee shall notify the Agency in a format as may be specified by the Agency, as soon as practicable after the occurrence of any of the following:
- (i) an incident or accident that significantly affects the environment;
 - (ii) any release of environmental significance to atmosphere from any potential emissions point including bypasses;

- (iii) any breach of one or more of the conditions attached to this licence;
- (iv) any emission that does not comply with the requirements of this licence;
- (v) 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
- (vi) 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 The following shall be notified, as soon as practicable after the occurrence of any incident which relates to a discharge to water:

11.2.1 Inland Fisheries Ireland / Department of Agriculture, Food and the Marine in the case of discharges to receiving waters.

11.2.2 Irish Water and /or Water Services Authority, in the case of any incident where the discharge(s) have been identified as upstream of a drinking water abstraction point.

11.3 The licensee shall make a record of any notification made under Condition 11.2. This record shall include details of the nature, extent, and impact of, and circumstances giving rise to, the incident or accident. The record shall include all corrective actions taken to manage the incident or accident, minimise wastes generated and the effect on the environment, and avoid recurrence. In the case of a breach of a condition, the record shall include measures to restore compliance. The licensee shall, as soon as practicable following notification, submit to the Agency the 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 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.

11.7 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 as a minimum contain details of the following:

- (i) the tonnages and EWC Code for the waste materials sent off-site for disposal/recovery;
- (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.
- 11.8 The licensee shall as a minimum ensure that the following documents are accessible 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) Commercial documents for the transport of animal by-products or derived product, as required by the Animal By-product Regulations, sent off site, unless a derogation is applicable;
 - (v) relevant correspondence with the Agency;
 - (vi) up-to-date site drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and emission points;
 - (vii) 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;
 - (viii) 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.
- 11.9 The licensee shall maintain a record, at least every six months, of the number of animals housed at the installation. These records shall be available for inspection by authorised persons at all reasonable times.
- 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 €3,258, 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 Act 1992 as amended. 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 Act 1992 as amended, 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 to the satisfaction of the Agency as to the measures taken or adopted at the site, in relation to the prevention of environmental damage, for remedial actions following closure/decommissioning or accidents/incidents, as may be associated with the carrying on of the activity.

12.2.2 The licensee shall have regard to the Environmental Protection Agency's Guidance on Assessing and Costing Environmental Liabilities (2014) and, as appropriate, Guidance on Financial Provision for Environmental Liabilities (2015) when implementing Condition 12.2.1 above.

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

*For inspection purposes only.
Consent of copyright owner required for any other use.*

SCHEDULE A: Limitations

A.1 Animal numbers housed at the installation

Animal Class	Numbers
Sows ^{Note 1}	625
Production Pigs	0

Note 1: This is inclusive of 125 served gilts as per definition of a sow under the EPA Act and the Danish ECJ judgement case C-585/10.

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 L _{Ar, T} (30 minutes)	Evening dB L _{Ar, T} (30 minutes)	Night-time dB L _{Aeq, T} (15-30 minutes)
55	50	45 ^{Note 1}

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

For inspection purposes only.
Consent of copyright owner required for any other use.

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:

SW1, prior to soak way on the western boundary of the installation;
 SW2, at the fattening houses there is a discharge to ground (storm water collected at the front of the buildings); and
 SW3, prior to soakway, surface water pond adjacent to fattening house along the north eastern boundary of the installation ^{Note 1}

Consent of copyright owner required for any other use.
 For inspection purposes only.

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

Note 1: The licensee shall submit an updated site layout plan, showing the location and reference numbers of all storm water monitoring points, including grid reference number, within 3 months from the date of grant of the licence.



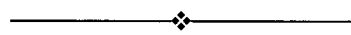
C.2.4. Monitoring of Tank Leak Detection Inspection Chambers

Emission Point Reference No: Location and reference numbers for all leak detection inspection chambers to be submitted to the Agency. ^{Note 1}

Parameter	Monitoring Frequency	Analysis Method/Technique
BOD ^{Note 2} or COD	Biannually	Standard method
Visual Inspection	Weekly	Sample and examine for colour and odour.

Note 1: The licensee shall submit an updated site layout plan, showing the location and reference numbers of all leak detection inspection chambers, including grid reference number, within 3 months from the date of grant of the licence.

Note 2: The licensee shall take a sample if there is any water/liquid in the leak detection inspection chambers.



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 Organic Fertiliser Monitoring

Class	Frequency	Parameter
Organic Fertiliser	Monthly and 1 st January annually	Available storage capacity
Other ^{Note 1}		

Note 1: 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

Groundwater Monitoring

Location: GW1, groundwater well within the southern boundary of the installation. ^{Note 1}

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

Note 1: The licensee shall submit an updated site layout plan, showing the location and reference numbers of the groundwater well, including grid reference number, within 3 months from the date of grant of the licence.

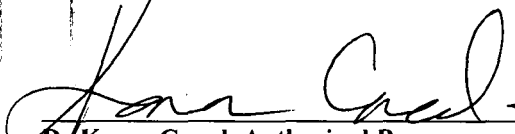
SCHEDULE D: Annual Environmental Report

Annual Environmental Report Content ^{Note 1}
Waste management record. Resource consumption summary. Complaints summary. Ambient monitoring summary. Tank and pipeline assessment report. Bund integrity test. 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. Development/Infrastructural works summary (completed in previous year and/or prepared for current year). Statement of measures in relation to prevention of environmental damage and remedial actions (Environmental Liabilities). 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. 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 22nd day February of 2017.

PRESENT when the seal of the Agency
Was affixed hereto:


Dr Karen Creed, Authorised Person

