



**Mooresfort,
Lattin,
Co. Tipperary**

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NON-TECHNICAL SUMMARY

**FOR
Carhue Piggeries Limited**

Licence Review Application

**AT
Cooligboy, Timoleague, Bandon, Co Cork**

May 2024



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A Licence review application is being made by Carhue Piggeries Limited of Cooligboy, Timoleague, Bandon, Co Cork to the Environmental Protection Agency (E.P.A) in respect to the existing pig unit. The enterprise is classed as **Activity Class 6.2 (a) + (b)** as follows.

Class 6.2(a) The rearing of pigs in an installation where the capacity exceeds 750 places for sows

Class 6.2(b) The rearing of pigs in an installation where the capacity exceeds 2000 places for production pigs which are over 30kg

Below is a list of all relevant planning permissions obtained from Cork County Council with respect to the pig unit.

Reference Number	Issued	Description
933463	16/06/1994	Construction of piggery
15334	22/11/2001	Retention of 832 sow integrated pig unit including, permission for wheel wash, rain protection covers over passageways, screen planting, concrete apron at pig manure extraction point, 1 no. dry sow house, and permission for retention of 1 no. dry sow house, 1 no. farrowing house, 1 no. weaner house, 3no. fattening houses and feed bins
3647	15/04/2003	Extension to farrowing house, dry sow house, 3 no. weaner houses, fattening house, utility shed/store, wheel wash



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		facility, septic tank & associated works
34251	12/03/2004	Construction of feed mill with 6 feed bins, shed, 3 o/ground storage tanks, engineered storage basin & assoc. works incorporating a digester process pig manure
56575	07/11/2005	Construction of 2 no. pig houses, 2 no. extensions to existing pig houses, 2 no. meal bins and servicing concrete and hardcore yards
9896	26/04/2010	Construct 6no. pig houses (2no. dry sow houses with attached service houses, 2no. weaner houses, 2no. farrowing houses) with 6no. meal bins, loading bay, feed mill house, storage tank, servicing concrete and hardcore yard, with complete storm and foul water collection systems and associated site works for new sow breeding unit to fully comply with new Animal Welfare Regulations
1156	10/05/2011	Construction of a mill, dry sow house, internal roadways and associated site works to fully comply with new Animal Welfare Regulations
14493	13/10/2014	Construct 6no. pig houses (2no. dry sow houses with attached service houses, 2no. weaner houses, 2no.



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		farrowing houses) with 6no. meal bins, loading bay, feed mill house, storage tank, servicing concrete and hardcore yard, with complete storm and foul water collection systems and associated site works for new sow breeding unit to fully comply with new Animal Welfare Regulations
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The farm operates under Licence by the Environmental Protection Agency. The licence, P0621-01 was issued on 21/02/2003. Licence Reg No P0621-02 was issued on 14/11/2003 (and amended on 29/01/2009, 10/12/2010 and 12/02/2013).

An AA and NIS was prepared by Dixon Brosnan in May 2024 to support the license review application.

The site is boarding the following sensitive ecological areas within 10km of the site.

Special Area of Conservation (SAC)

- Courtmacsherry Estuary SAC (001230) 1.3km southeast
- Clonakilty Bay SAC (000091) 5.5km southeast

Special Protection Area (SPA).

- Courtmacsherry Bay SPA (004219) 1.3km southeast
- Clonakilty Bay SPA (004081) 5.5km southeast
- Seven Heads SPA (004191) 5.7km south
- Galley Head to Duneen Point SPA (004190) 9.2km southwest.

Relevant BAT documents include the following.

- BAT Conclusions for the Intensive rearing of pigs
- Bref Assessment on BAT for Storage
- Bref Assessment on BAT for Energy Efficiency



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The control of major Accident Hazards involving dangerous substances regulations 2006 do not apply to this farm.



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1.0 Description of Unit

The production process on this farm will be similar to other such Pig units throughout Ireland and will be in line with the requirements of the Department of Agriculture, Food & Marine and Bord BIA. The applicant will be responsible for the feeding, management and husbandry of the pigs and for ensuring that all of the required records are maintained.

Cooligboy Pig Farm is located in the townland of Cooligboy, approximately 1.2km northwest of Timoleague village, and 6.9 km northeast of Clonakilty. The surrounding landscape is dominated by intensive agricultural activity with a mixture of tillage and pasture. The Argideen River runs west to east approximately 1.5 km north of the new housing units. The Argideen River rises northwest of Clonakilty and flows into the Timoleague estuary. It is tidal to Inchy Bridge. The Courtmacsherry Estuary SAC is located 1.3km southeast of the existing unit. The estuary consists of the drowned valley of the Argideen River. The installation comprises animal houses, manure collection and storage tanks, ancillary structures, and equipment necessary for the accommodation, management and husbandry of the animals, and the administration of the enterprise. The structures and equipment on the site were designed and installed for the purpose of breeding and rearing pigs for sale off the site.

The environmental condition of the site has been very good with no record of any spill or incident on site that would result in environmental contamination and the site is always maintained in a clean and tidy manner. The last EPA site inspection was carried out in May 2022 to which 2 non-compliances were found which are being dealt with as part of this licence review.

Potable water is sourced via 4 onsite wells AGW1 to AGW4 which are monitored Annually under Schedule 4 (iii) of the current EPA licence P0621-02. All results have been within the normal range for these parameters, and don't indicate any negative influence from the site facility. These results will continue to be reviewed against future analysis results, for any indicative changes. There are 4 additional wells AGW5 to AGW8 are being monitored Annually and for the same parameters as AGW1 to AGW4. These wells are utilised for integrity site monitoring.

Storm water points SW1 and SW2 have always been in compliance with licence conditions. Samples are taken quarterly and monitored for the parameters listed in the licence. There is an additional SW monitoring point for the new unit.

The main activities at this farm occur during normal working hours between 08.00 a.m. and 18.00 p.m. Stock inspections in line with normal farming practices are and will be carried out every day including weekends and holidays. Automatic feeding and



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ventilation systems operate on a 24-hour basis and in addition, essential activities may be carried out outside of core working hours.

Animal Type	Numbers
Farrowing/Suckling Sows	520
Dry Sows	1230
Maiden Gilts	290
Boars	5
Weaners	7000
Finishers	9000

The development will bring the capacity of this farm in excess of that for which a Licence was granted (P0621-02) from the Environmental Protection Agency (E.P.A.) 14/11/2003. A licence Review application is also required to be submitted to the Agency to incorporate these additional stock numbers and amended site boundary.



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2.0 The main sources of emissions/by-products from this farm include.

Slurry: Pig manure is a rich source of plant nutrients and is a valuable fertiliser for farmland. It will be collected when local farmers acquire it for use on their farmland. The distribution of manure to individual farmer customers, who use it, is limited to the amount demonstrated to be needed by them to maintain their soil fertility, in accordance with the EU (Good Agricultural Practice for Protection of Waters) Regulations 2022 – S.I. No. 113 of 2022. Use of organic pig manure reduces the number of chemical fertilisers used by farmers. Record 3 documents are submitted to the DAFM by the end of each year.

Storm water from roofs and clean yards will discharge to field drainage via a storm water collection system. The storm water discharge points will be regularly checked, inspected, and monitored. There will be no discharge of any soiled water or any effluent from the site to any watercourse or to groundwater.

Veterinary Waste, General. Domestic waste Animal Tissue: All of these are disposed of by specialist contractors.

Ammonia modelling results: The results of the ammonia assessment show that the cumulative impacts of the proposed pig farm with background IAs are under EPA limits and therefore complies with the Step 5 evaluation criteria at all modelled locations. The AA screening and NIS has also been updated.

Odour modelling results: The odour modelling assessment found that the predicted concentrations of odour comply with odour criterion recommended by EPA for existing pig farms of 5.0ouE/m³ at all modelled sensitive receptor locations.



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3.0 Proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation.

Slurry:

- Slurry produced on the farm is used by customer farmers as fertilizer.
- Low crude protein and continued consultation with nutritionist is undertaken on the various diets throughout the different stages of production to reduce N excretion.
- Low emission spreading equipment is used when spreading slurry to reduce emissions.
- Well maintained, and good housekeeping with modern manure removal will minimise any potential adverse odour impact and will minimise odour outside the confines of the site/immediate area.

Storm water

- Separation of clean and dirty water systems
- Clean and tidy yard maintained at all times.
- Good housekeeping ethos

Animal Tissue waste/carcases

- Variety of carcasses arise due to natural deaths on the farm to which are transported off site via a licenced haulier.
- All carcasses are stored in designated, sealed tight, labelled bins/skips.
- Good animal husbandry will keep the waste produced to a minimum.

Noise and Odour

- Automated feeding systems are in place to reduce any noise/odour emissions.
- Deliveries in and out of the unit only take place during normal working hours.
- Frequent slurry removal of site.

Veterinary + General waste

- Medications are given through the feed or water system where possible.
- Recycling is practiced where possible on site.
- Hazardous waste generated at this site will be in the form of spent fluorescent lighting tubes (now been replaced with LEDs). The annual quantity of each of this class of waste generated on the site is and will be minimal. It is proposed to accumulate the used fluorescent tubes in a specialised storage area in the site pending periodic to be returned to the supplier.



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4.0 Cessation of Activity

In the event the site has to be closed for whatever reason then the following steps will take place

- All animals sold.
- All carcasses, veterinary waste, fluorescent tubes will be removed of site by the appropriate licenced haulier.
- All slurry will be removed off site and tanks will be rendered safe.
- All feed will be removed off site also.
- All pig houses shall be washed and disinfected.

All measures and guidance documents are met to the highest standard on this farm to ensure the environment is protected at all times and conditions of the licence are adhered to.