

# EPA Application Form

## 7.6.2(a) - Landspreading Controls – (Agri) - Attachment

### Operational Report for the Management of Organic Fertiliser

**Organisation Name: \***

Carhue Piggeries Ltd

**Application I.D.: \***

LA007098

**Amendments to this Application Form Attachment**

<b>Version No.</b>	<b>Date</b>	<b>Amendment since previous version</b>	<b>Reason</b>
V.1.0	July 2017	N/A	Online application form attachment
As above	Mar 2018	Identification of required fields	Assist correct completion of attachment

**7.6.2 Additional Information: Emissions to Ground & Landspreading**

With regards to manure / poultry litter (organic fertiliser) produced by the activity, the applicant should supply details of the nature, quantity, storage facilities, end-use and records of any organic fertiliser produced, or proposed to be produced by the activity, having regard to the European Union (Good Agricultural Practice for Protection of Waters) Regulations 2014, S.I. No. 31 of 2014.

Tables 7.6.2(i), 7.6.2(ii) and 7.6.2(iii) should be completed as applicable.

Any additional relevant information should be included in Table 7.6.2(iv).

**7.6.2(i) Organic Fertiliser: Nature and Quantities**

*State the quantity of organic fertiliser produced by the activity per annum.*

	Quantity produced per annum	
	Existing	Proposed
<b>Pig Rearing Farms<sup>1</sup>:</b>		
Pig slurry (m <sup>3</sup> )	<b>15150</b>	<b>22334</b>
Farm Yard Manure (m <sup>3</sup> )	<b>N/A</b>	<b>N/A</b>
<b>Poultry Farms:</b>	<b>N/A</b>	<b>N/A</b>
Poultry manure (m <sup>3</sup> )		
Washwater (m <sup>3</sup> )		

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<sup>1</sup> As per European Union (Good Agricultural Practice for the Protection of Waters) Regulations 2014, (Nitrates Regulations):

- “farmyard manure” means a mixture of bedding material and animal excreta in solid form arising from the housing of cattle, sheep and other livestock excluding poultry;
- “slurry” includes—
  - (a) excreta produced by livestock while in a building or yard, and
  - (b) a mixture of such excreta with rainwater, washings or other extraneous material or any combination of these, of a consistency that allows it to be pumped or discharged by gravity at any stage in the handling process but does not include soiled water.

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### 7.6.2(ii) Organic Fertiliser: Storage capacity

Record the on-site storage capacity available for organic fertiliser:

Where an expansion / development is proposed, record the existing and the proposed on-site storage capacity available for organic fertiliser:

#### (a) Slurry/Washwater Storage Capacity:

Tank	Construction type and Year of construction	Length (m)	Breadth (m)	Depth <sup>2</sup> (minus freeboard of 200/300mm)	Capacity (m <sup>3</sup> )
2 <sup>nd</sup> stage 1	1994	28.5	12.85	0.80	293.0
First stage 2	2000	14.78	5.75	0.45	38.2
First stage 3	2000	5.73	1.7	0.45	4.4
Dry Sow 4	2000	118.4	11.3	1.00	1337.5
2 <sup>nd</sup> stage 5	2000	22.5	10.7	0.80	192.6
1 <sup>st</sup> stage 6	2000	30.1	11.45	0.56	193.0
Farrowing 7	2000	92.5	12.2	0.55	620.7
Farrowing 8	2000	177.5	12.2	1.00	2165.5
Fattening 9	2000	77.4	13.05	1.00	1010.1
Fattening 10	2000	91.1	12.75	1.30	1510.0
Finishing 11	2005	76.8	12.6	1.02	987.0
Dry sow 12	2005	41.25	14.12	1.02	594.1
1 <sup>st</sup> stage 14	2005	13.87	12.6	0.71	124.1
2 <sup>nd</sup> stage 14	2005	24.9	12.7	0.71	224.5
1 <sup>st</sup> stage 15	2005	14.78	5.49	0.71	57.6
Farrowing 16	2005	29.77	10.4	0.56	173.4
House 17	2005	120.3	13.6	0.56	915.9
House 18	2005	49.05	12.6	0.56	346.1
House 4A	2005	16.48	11.6	0.56	107.1
House 11A	2005	16.48	12.6	0.56	116.3
Dry Sow House	2015	71.05	22	0.40	625.2
Dry Sow channel		71.05	1	1.60	113.7
Dry Sow 1	2020	135.0	24	0.8	2592
Slurry Channel	2020	140.0	1.5	1.1	231
Dry Sow 2	2020	135.0	24	0.8	2592
Slurry Channel	2020	140.0	1.5	1.1	231
Farrowing 3	2020	84.5	20.3	1	1715.4
Slurry Channel	2020	84.5	1.5	1.3	164.8
Farrowing 4	2020	84.5	20.3	1	1715.4
Slurry Channel	2020	84.5	1.5	1.3	164.8
Weaner 5	2020	50.6	20.3	0.8	821.7
Slurry Channel	2020	50.6	1.5	1.1	83.5
Weaner 6	2020	29.9	20.3	0.8	485.6
Slurry Channel	2020	29.9	1.5	1.1	49.3

<sup>2</sup> As per European Union (Good Agricultural Practice for the Protection of Waters) Regulations 2014, (Nitrates Regulations):

- 200mm freeboard must be provided in all covered tanks and 300mm freeboard in all uncovered tanks.

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Reception Pit 1	2020	62.3	3.2	3	2168.04
<b>Total capacity of storage tanks:</b>					<b>24'763m<sup>3</sup></b>

**(b) Poultry Manure/Farmyard Manure Storage Capacity**

Record the on-site storage capacity available for organic fertiliser:

Where an expansion / development is proposed, record the existing and the proposed on-site storage capacity available for organic fertiliser:

Storage shed/Area	Length (m)	Breadth (m)	Height (m)	Capacity(m <sup>3</sup> )
<b>Total capacity of storage sheds/area:</b>				

**(c) Total storage capacity for organic fertiliser generated by the activity**

	Has 26 weeks storage capacity been provided on-site?	
	Existing	Proposed
<b>Pig Rearing:</b>		
Pig slurry (m <sup>3</sup> )	YES	YES
Farm Yard Manure (m <sup>3</sup> )	N/A	N/A
<b>Poultry Farms:</b>	N/A	N/A
Poultry manure (m <sup>3</sup> )		
Washwater (m <sup>3</sup> )		
<b>Where 26 weeks storage is not provided on-site, describe the arrangements in place to ensure compliance with the Nitrates Regulations (SI No 31 of 2014)</b>		

**7.6.2(iii) Organic Fertiliser: End Use**

**(a) Washwater (poultry applications only)**

Where washwater is used as an organic fertiliser on land, provide the following:

Where an expansion / development is proposed, record the existing and the proposed arrangements:

	Existing	Proposed
<b>Area of land on which washwater (organic fertiliser) may be used as a fertiliser</b>	___ Ha	___ Ha
<b>Location of lands on which washwater (organic fertiliser) may be used as a fertiliser (townland &amp; county)</b>		

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<b>Are lands on which washwater (organic fertiliser) may be used as a fertiliser within ownership of applicant</b>	Y/N	Y/N
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**(b) Manure<sup>3</sup> /Slurry – complete all relevant parts**

i. In which of the following ways is/will organic fertiliser (manure/slurry) be used when it leaves the installation? (select all that apply)

	Existing	Proposed
<b>On land as fertiliser</b>	Yes	Yes
<b>Mushroom compost production</b>	N/A	N/A
<b>Anaerobic digestion</b>	Yes	Yes
<b>Other</b>	Y/N	Y/N
	Specify and describe how and where the organic fertiliser will be used:	Recovered on Land as a fertilizer and Delivered to nearby AD plant as a feedstock to generate electricity

ii. Where organic fertiliser (manure/slurry) is/will be removed from the installation **directly** to farms **for use as fertiliser on land**, provide the following for each farm:

Farm code	Location (townland and county)	Import capacity (m <sup>3</sup> )
	See 7.6.2 below	
<b>Total Import capacity (m<sup>3</sup>)</b>		
<b>Brief Description of how import capacities were calculated:</b>		

iii. Where organic fertiliser (manure) is/will be removed from the installation by a Department of Agriculture, Food and the Marine registered **contractor**, provide the following:

<b>Name of contractor</b>	N/A
<b>DAFM registration number</b>	
<b>Total amount of organic fertiliser contractor agrees to remove from the installation per annum</b>	
<b>Attach either:</b>	

<sup>3</sup> Pig Manure or Poultry Manure

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<b>1. Letter of confirmation from contractor confirming this, and</b> <b>2. Copy of Record 3<sup>5</sup> from previous year (where relevant)<sup>4</sup></b>			
<b>Identify the use proposed by the contractor for organic fertiliser taken from the installation:</b>	Use on land	no	
	Mushroom Compost production	No	Specify facility
	Anaerobic digester	no	
	Other	No	Specify facility
<b>Documentation maintained at the installation in relation to movement of organic fertiliser off site</b>	Record 3 <sup>5</sup>	Yes	
	Commercial <sup>6</sup> documents	Y/N	
	Other	Y/N (specify)	

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<sup>4</sup> A copy of the Record 3 form (as required under article 23 of the European Union (Good Agricultural Practice for Protection of waters) Regulations 2014) for the previous year. For new developments, where no Record 3 forms exist yet, the applicant should supply details of land with an organic fertiliser demand available for landspreading, as per Table xxx above.

<sup>5</sup> Record 3 is a 'Record of Movement of Organic Fertilisers' required to comply with the European Union (Good Agricultural Practice for Protection of Waters) regulations 2014. The Record 3 form must be submitted before the end of each year. A copy of the Record 3 must be maintained by both the exporter and the importer.

<sup>6</sup> As per European Animal By-Product Regulations (EC Regulation No 1069/2009 and Commission Regulation 142/2011), (Animal By-Product Regulations).

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- iv. Where organic fertiliser (manure/slurry) is/will be removed from the installation **for use other than as a fertiliser on land or by a DAFM registered contractor**, provide the following:

<b>Total amount of organic fertiliser exported from the installation</b>	N/A		
<b>Proposed outlet for organic fertiliser</b>	Mushroom Compost production	no	Specify facility
	Anaerobic digester	yes	Timoleague Agri Gen Ltd (PO986-01)
	Other	no	Specify facility
<b>Documentation maintained at the installation in relation to movement of organic fertiliser off site</b>	Record 3 <sup>7</sup>	yes	
	Commercial <sup>8</sup> documents	No	

### 7.6.2(iv) Organic Fertiliser: Any other relevant information

<b>Details regarding any other relevant information:</b>	
<p>Record 3s are submitted Annually to the DAFM which shows the total volume of slurry exported to each customer.</p>	

<sup>7</sup> Record 3 is a 'Record of Movement of Organic Fertilisers' required to comply with the European Union (Good Agricultural Practice for Protection of Waters) regulations 2014. The Record 3 form must be submitted before the end of each year. A copy of the Record 3 must be maintained by both the exporter and the importer.

<sup>8</sup> As per European Animal By-Product Regulations (EC Regulation No 1069/2009 and Commission Regulation 142/2011), (Animal By-Product Regulations)