## CLW Environmental Planners Ltd.

The Mews, 23 Farnham Street, Cavan, Co. Cavan

Phone: 049-4371447/9 Fax: 049-4371451 E-mail: info@clw.ie

Office of Environmental Sustainability, Environmental Protection Agency, P.O. Box 3000, Johnstown Castle Estate, Co. Wexford

11<sup>th</sup> November 2022

Re: Clondrisse Pig Farm Ltd. Licence Application Ref. P0975-02

Dear Sir/Madame,

I refer to your correspondence of 7<sup>th</sup> October last in relation to our client, Clondrisse Pig Farm Ltd. Please find detailed below the response to the issues raised.

- 1. With regards to the storm water drainage and the response received 15 September 2022, further clarification is required. Information supplied to date does not identify all stormwater collection pathways and discharge points within the site. A number of buildings have either no collection or incomplete collection systems indicated on the site plan provided. As such:
  - a) Confirm the pathway for roof water discharges from all buildings;
  - b) Outline and label all individual stormwater discharge points on the site plan. Note that an inspection chamber will be required for each individual discharge point;
  - c) Clarify whether any of the storm water collected passes over any handstand areas of the site; and
  - d) Update the site plan to include:
    - i. Any applicable details from the points above; and
    - ii. Labels in the plan legend for any items not labelled on the site plan submitted on 15 September 2022 e.g. the smaller blue circles and blue dotted line.

Please refer to enclosed site plan addressing the points as listed in a – d above.

- 2. With regards to the odour assessment referenced in your response of 08 June 2022 and the corresponding input data for the odour screening tool submitted on 15 September 2022:
  - a) The output data provided on 08 June 2022 (5.0 OU<sub>e</sub>/m<sup>3</sup> Benchmark Point is 221 m) does not correspond with the input data provided on 15 September 2022. When the data is

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inputted into the odour screening tool, the 5.0  $OU_e/m^3$  Benchmark Point is 431 m. Provide an explanation for this difference in benchmark points;

- b) If the licensee's output data requires amendment to correspond with the correct input data, provide an amended odour assessment which includes both input and output data from the same spreadsheet that clearly indicates the 5.0 OU<sub>e</sub>/m<sup>3</sup> Benchmark Point; and
- c) Where the output data indicates that the calculated concentration at the closest sensitive receptor (400 m) for this installation's dispersion characteristics is above 5.0 OU<sub>e</sub>/m<sup>3</sup>, provide a more detailed odour assessment to evaluate odours fully and outline further abatement/mitigation that will need to be applied.

It appears that a slightly earlier version of the E.P.A. Modeling tool was used for the previous calculations. Furthermore while the input data incorrectly referred to poor dispersion, the results page was correctly set to moderate dispersion (mechanically, ridge ventilated houses). Please see revised data below.

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						OK	AP	02/0
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	explanat							-
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		e main type of pig reared within th e number of pigs reared within the		arop-down list).				_
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	Building	Predominant Animal Type	(ou <sub>e</sub> /s/animal) 20			Moderate dispersion	Flag	
		Farrowing Weaners	20	1350		Moderate dispersion		
		Dry sows	21	35		Moderate dispersion		-
		Weaners	6	1100		Moderate dispersion		
		Dry sows	21	223.3		Moderate dispersion		
		Growers	12	767.05		Moderate dispersion		
		Finishers	20	1140.8	22,816	Moderate dispersion		
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		Not used	0			Not used		
		Not used	0			Not used		
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			Total	4,795	55,729			-
					Worst case			-
					dispersion:	Moderate dispersion		

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<b>Results - Export</b>			Check-bo	Last User	Date	Status	User Comments					
			OK	AP	19/07/22	Post QA						
Export sheet												
This sheet provides a summary of t	he information provided for a	exporting to PDE and/or printing										
Select the dispersion characteristic			ed on the information prov	ded in the B	uildings w	orksheet						
To save to PDF or print, go to File												
Total Odour Emission Rate:	55,729	OU <sub>E</sub> /s										
Recommended Dispersion:	Moderate dispersion	worst case										
Select Dispersion:	Moderate dispersion	5.00 m/s										
Duildings						Deserve Ourses						
Buildings						Decay Curve						
More than one copy of the model c	an be used if needed.							the selected dispersion			- 10	
						Select desired odour be	nchmarks to display o	on the chart out of: 1.5, 3	, 5 and 6 OU	e/mª as 9	8" percentile	e 1-hou
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## Decay Curve

This chart displays the decay curve based on the selected dispersion characteristics Select desired odour benchmarks to display on the chart out of: 1.5, 3, 5 and 6  $OU_E/I$ 

Dispersion s	selected:	Moderate dispersion	
Benchmarks to disp	lay:		
	1.5 OUE/m <sup>3</sup>	Do not show	
	3 OUE/m <sup>3</sup>	Show	
	5 OUE/m <sup>3</sup>	Show	
	6 OUE/m <sup>3</sup>	Show	

## Intersections

This section outlines if/where the decay curve crosses the relevant benchmark. The intersection indicates the closest 'distance from centre' point in metres.

Benchmark	Intersection
1.5 OUE/m <sup>3</sup>	536.8
3 OUE/m <sup>3</sup>	326.1
5 OUE/m³	235.8
6 OUE/m <sup>3</sup>	205.7



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The output data indicates that the calculated concentration of  $5.0 \text{ OU}_e/\text{m}^3$ , is relatively unchanged at 235.8m (previously calculated at 221m) and still well inside the 400m to the closest sensitive receptor.

If you require any additional information please contact this office.

Yours faithfully,

Paraic Fay

Paraic Fay B.Agr.Sc.