

IPRI PPC Farms Compliance Assessment Report

IPRI Report No.	22/23-2	Permit Number	P0234/07A
Inspector	[REDACTED]	Date	03/02/2023
Compliance Assessment Type (i.e. Inspection, Audit or Report)	Inspection	Operator	[REDACTED]
		Installation	Pig Farm

Core areas covered

[C = Compliant, NA = Not Assessed, NC = Non Compliance identified.

Where NC, also enter Non Compliance Category: **M** (Minor), **I** (Intermediate), **S** (Substantial)]

		C/NA/N R	NC-M	NC-I	NC-S
[1] General.	Permitted Activities (1.1.1, 1.2, Sch. 5) Operational Changes (1.6)	C C			
[2] Air emissions.	Emission sources/ impacts (2.10.2) Meeting BAT-AELs	C C			
[3] Water emissions.	Emission sources/ impacts (2.10.2)	C			
[4] Soil and Groundwater protection.	Groundwater Regulations (2.4)	C			
[5] Odour.	Odour emissions (2.3.6.2) Odour Management Plan (2.3.6.1)	C C			
[6] Environmental Management system.	Inspection & Maintenance (2.1.1) Staff training (1.3) Accident prevention Plan (2.7) Site Closure Plan (2.11) Pests Management Plan (2.9) Complaints & Incidents (1.3.1;1.3.2; 5.1)	C C C C C C			
[7] Resource Efficiency.	Raw materials (2.2, Sch. 4) Feed (2.2.2, 2.3.1) Water use/ audit (2.2.1) Fuel/chemical storage (2.3.2) Fuel usage (biomass, etc. (2.10.1) Energy audit (2.6.1)	C C C C C C			
[8] Waste Management.	Waste audit, disposal (2.5.1) Carcass storage/disposal (2.5.2)	C C			
[9] Noise.	Noise emissions (2.8.2) Noise Management Plan (2.8.1) Feed delivery times (2.8.3)	C C C			
[10] Monitoring, Reporting, Notifying.	Annual reporting (4.3, 4.4, Sch. 3) PRTR (4.2). BAT-AELs (4.3, Sch. 3) Notifications (5.0, Sch. 1)	C C C C			
[11] Improvement programme status.	Completion of improvement items (6.0)	C			
[12] Pre Operating Condition.	Completion of pre-operating conditions (1.4)	C			
[13] Animal Housing.	Housing integrity (2.3.3) Wash water collection/storage Yard containment Cleanliness of yard areas Diverter operation Swale operation	NC C C C C C	1		
[14] Manure storage & Utilisation.	Manure storage (2.3.4) Manure utilisation (2.3.5)	C C			
[15] Record Keeping.	Keeping appropriate records (2.10, 3.0)	C			

NIEA Officer:	Date:
[REDACTED]	9 th March 2023

Overall Comments: (Note: Include reference to any NC. Substantial Non compliances require a case review to be carried out as per procedure QA042)

An inspection was carried out on 02/03/2023.

The site appeared to be well managed and relatively clean & tidy.

Swales have been constructed in a field to the West and East of the site.

Odour, Noise and Accident Management Plans are in place.

Water, waste and energy audits were submitted in March 2023.

Carcasses are stored in a DAERA Registered incinerator prior to disposal.

Following publication of the new IRPP BAT Conclusions on 21st February 2017, NIEA were required to review all existing PPC farm permits within 4 years and will be in contact with operators regarding this review and any associated new requirements. Farmers planning to expand their farm and build new housing are strongly recommended to contact NIEA about the new requirements.

All new PPC farms are required to meet the new IRPP BAT Conclusions from the outset, whilst existing PPC farms have to meet the new requirements by 20th February 2021.

Reason why I-NC not escalated to S-NC:

LM Approval:

Date:

Response to Non Compliances			Mark one box only
No non-compliances were identified.			
The non-compliances identified will be adequately addressed by the actions listed below.			X
Action Summary:			
No.	Details	By	Date
19/20-2-3	Apply for and obtain permit variation for the export of slurry to an authorised AD plant.	Operator	1 month prior to the export of slurry
20/21-1-1	Apply for and obtain permit variation prior to making any changes to the site i.e. changing sow numbers	Operator	Prior to making any changes
21/22-1-3	Ventilation fans on the finisher house adjacent to the road would be directed vertically to improve odour dispersion – there is one fan still not done	Operator	31/12/2021 30/09/2022

Report:

(Note: include both progress achieved and problems identified as well as permit conditions against which the non-conformance applies)

Present:

Actions from last inspection (10/06/2022)

19/20-2-3 Apply for and obtain permit variation for the export of slurry to an authorised AD plant – not yet required

20/21-1-1 Apply for and obtain permit variation prior to making any changes to the site i.e. changing sow numbers – not yet required

21/22-1-3 Ventilation fans on the finisher house adjacent to the road should be directed vertically to improve odour dispersion – there is one fan still not done – not complete

22/23-1-1 Ensure that all chemicals are stored in a bunded area - satisfactory

22/23-1-2 Apply for and obtain a permit variation in respect to installation and operation of a carcass incinerator – application submitted

22/23-1-3 Water, energy and waste audits to be completed and submitted to NIEA - complete

Other areas inspected on 03/02/2023

Weather: light westerly wind, dry

Site Management Plans and Audits

The requirement to carry out routine scheduled 3 year management plan reviews (raw material usage, odour, noise, accident management, site closure plans) has been removed from PPC farm permits. Operators will be required to (a) review and record as soon as practicable after a complaint or incident whether changes to a management plan should be made, and (b) make any appropriate changes to the plan identified at the review.

The timescales for completing farm audits (water, waste, energy) has been changed from every 3 years to every 4 years.

1. Permitted activities (conditions 1.1; 1.2) – appropriate activities and pig numbers within permit limits (i.e. 900 sows and 4200 pigs >30kg). No evidence of activities extending beyond site boundary.

2. Overall management of the installation (condition 1.3)

A written management system that identifies and minimises risks of pollution has been put in place.

Operator has completed relevant Pollution Prevention and Control (PPC) training, i.e. LANTRA PPC course attended on 08/03/2012.

Complaints: The most recent complaint was received on 28/07/21, there had been land spreading in the general area, slurry had been removed from the site. The operator completed a full review of the odour management plan in May 2018. The odour management plan is being implemented (see section 11. Odour Control). Livestock numbers have been reduced and Aromex® feed additive has been included into diets to reduce odours.

Future plans may involve restructuring the site including upgrading the sow

accommodation and moving the finishers to another site. This should greatly reduce the potential odour impact from the site and requires a permit variation.

Action 20/21-1-1:Operator

3. Pre-operation conditions (condition 1.4)

There are no pre-operation conditions.

4. Inspection & maintenance (condition 2.1.1) – An appropriate inspection and maintenance schedule is in place and being implemented. Appropriate records are being kept.

5. Raw materials, water usage, animal feedstuff usage (conditions 2.2.1 – 2.2.2.) – Diet specification details and records for the site were available. The standard raw material proforma is completed and being maintained. A review of the existing raw material inventory was carried out in May 2018.

A water audit was last completed and submitted to NIEA in March 2023.

6. Feed delivery (condition 2.3.1) – feed bins are considered to have adequate containment and appropriate collision protection. There was no evidence of feed spills at the time of the inspection.

7. Storage of fuels & other materials (condition 2.3.2) – fuel storage (LPG tanks; generator fuel tank) have adequate containment/bunding and appropriate collision protection is in place.

The operator is now using a powdered disinfectant product. Storage is satisfactory

8. Livestock housing (condition 2.3.3) Yard containment and operation of yard diverter system appears to be effective for most of the yard. All washing & heavily contaminated yard run-off is adequately collected and routed to tank(s) for storage.

A review of the site drainage plan was completed 22/03/12 and has not changed since.

It was agreed the remaining ventilation fans on the finisher house adjacent to the road would be directed vertically to improve odour dispersion. All of these have now been done except one.

Action 22/23-1-1:Operator

9. Slurry storage (condition 2.3.4) – a covered slurry store on the installation, which was constructed as proposed by the operator in the permit application, has not been used to date.

At the time of the inspection the slurry in the existing store was approximately 70% full.

10. Slurry utilisation (condition 2.3.5) – All slurry is spread on third party land or the operators own land. Records for the period from 01/01/2022-31/12/2022 have been submitted as part of the Annual Report 2022 and are considered satisfactory.

The slurry diary up until the time of the inspection was examined and considered satisfactory.

Appropriate nutrient budget is in place for any slurry exported from the site for land spreading.

To enable the export of pig slurry to an authorised AD plant a permit variation must be applied for and obtained before utilising this type of outlet.

Action 19/20-2-3: Operator

11. Odour control (condition 2.3.6) –The most recent odour complaint was received on 28/07/21, there had been land spreading in the general area, slurry had been removed from the site. The operator completed a full review of the odour management plan in May 2018. The odour management plan is being implemented (see section 11. Odour Control). Livestock numbers have been reduced and Aromex® feed additive has been included into diets to reduce odours.

12. Operation of biomass hot water heating system (condition 2.3.7) – There are no biomass boilers on site.

13. Waste disposal (condition 2.5) – records of waste disposal are being kept and were available for inspection. Wastes are removed to Emerald Isle Recycling facilities for recycling. A waste audit was last completed and submitted to NIEA in March 2023.

Storage & disposal of carcasses – The operator has installed a DAERA Registered incinerator. Although this equipment is registered with DAERA Veterinary Services, the operator is also required to apply for and obtain a permit variation in respect to the installation and operation of a carcass incinerator. The operator has submitted an application to NIEA for a permit variation in regard to the incinerator.

14. Energy use (condition 2.6) - a energy audit was last completed and submitted to NIEA in March 2023.

15. Accident prevention & management (condition 2.7) – an Accident Management Plan is in place for the site and is being implemented

16. Noise control (condition 2.8) - a Noise Management Plan is in place for the site and is being implemented.

17. Pests (condition 2.9) – appropriate control measures are being taken to minimise the presence of pests on the site. A Pests Management Plan is in place for the site and is being implemented.

18. Recording (condition 2.10.1) – the following records were inspected:

- livestock numbers
- mortalities including disposal of carcasses
- fuel deliveries
- yard drainage diverter operation
- waste disposal
- water use
- inspection & maintenance
- staff training
- Raw material & feed usage
- Slurry records

Emissions to water, air, land (condition 2.10.2) – emission sources and points on the site are as detailed in the permit. Appropriate control measures appeared to be in place to minimise/prevent any pollution.

Permit emission limits have not been exceeded i.e.

- Nitrogen emissions/animal place/year
- Phosphorus (P2O5) emissions/animal place/year
- Ammonia emissions/animal place/year

Note: All new PPC farms are required to meet the new emission limits from the outset, whilst existing PPC farms have to meet the new requirements within a timescale agreed with the Chief Inspector.

20. Monitoring (condition 2.10.4) – appropriate monitoring is taking place.

The following parameters are being monitored:

- Nitrogen emissions/animal place/year
- Phosphorus (P2O5) emissions/animal place/year
- Ammonia emissions/animal place/year
- Dust emissions/animal place/year

Note: All new PPC farms are required to meet the new emission limits from the outset, whilst existing PPC farms have to meet the new requirements within a timescale agreed with the Chief Inspector.

21. Site closure & decommissioning (condition 2.11) – a Site Closure Plan is in place.

22. Reporting (condition 4) – the following reports for 2022 have been submitted:

- Pollution Inventory Reporting Form
- Annual livestock & manure movements
- Nitrogen emissions/animal place/year
- Phosphorus (P2O5) emissions/animal place/year
- Ammonia emissions/animal place/year
- Dust emissions/animal place/year

23. Improvement programme (condition 6.1)

All complete

24. Review of permit – inclusion of the new IRPP BAT Conclusions.

As discussed during previous inspection(s), the new Best Available Techniques (BAT) Conclusions document for the Intensive Rearing of poultry or pigs (IRPP) was published on the 21st February 2017. The conclusions set out the standards that permitted farms will have to meet. The BAT Conclusions document can be downloaded from the European IPPC Bureau website:

<http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32017D0302&from=EN>

Now that the BAT Conclusions are published, NIEA must review PPC permits (including your own) within 4 years to ensure that operators can meet the new standards. We will be in contact with you regarding the review of your PPC permit and any associated new requirements.

There are some new requirements for permit holders. The conclusions include BAT Associated Emission Levels (BAT AELs) for ammonia emissions which will apply to the majority of permits, as well as BAT associated levels for nitrogen and phosphorous excretion.

If you are planning to expand your farm and build new housing it's strongly recommended that you talk to your agricultural adviser and NIEA Inspector about the new requirements.

Supervisory Check

LM Comments: LM:	Date:
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